

SKP2...
Fbp1...
Fbp3...
Fbp4.
Fbp4.
Fbp4.
Fbp10...
Fbp11.
Fbp11.
Fbp11.
Fbp11.
Fbp12.
Fbp13...
Fbp23...
Fbp23...

FIG. 1

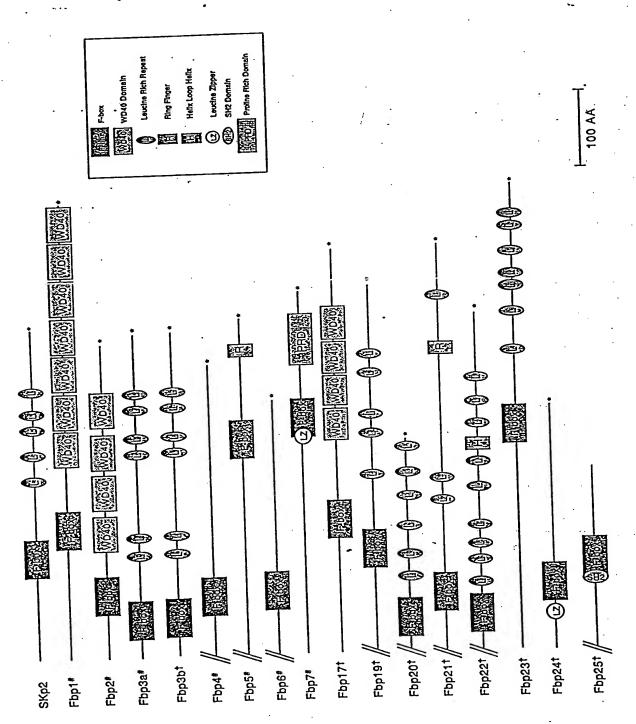


FIG. 2

·	0.0	30	40	50	60 -
10 MDPAEAVLQEKALK	20	NNGEPPRKII	PEKNSLRQTY	NSCARLCLNQ	ETVCLA
MDPAEAVLQEKALK	L LIMOS DICESO				
70	80	90	100 /	110	120
70 STAMKTENCVAKTE	T ANGTESMIV	PKORKLSASY	EKEKELCVKY	FEQWSESDQV	EFVEHL
STAMKTENCVARIA	TWIGIDS::-				
120	140	. 150	160	170	180
130 ISQMCHYQHGHINS	TORONGA TVE	TTALPARGLD	HIAENILSYL	DAKSLCAAEL	ACKEMA
ISOMCHAOHCHINS	2 I DVE tmo.				•
100	200	210	220	230	240
190 RVTSDGMLWKKLI	anamanet.Wi	CLAERRGWGC	YLFKNKPPDC	NAPPNSFYRA	TABKII
RVTSDGMLWKKLI	EKWAKIDSDUI	(02121111111111111111111111111111111111	•		
	0.60	270	280	290	300
250 QDIETIESNWRCG	260	270 2000 CVCVCI.(OVDDOKTVSGI	RDNTIKIWD	INTLECK
ODIETIESNWRCG	RHSLQRIHCK	SEL2KGA ICDA	ZIDDQKITOO		
		220	340	350	360
310	320	330	DEMINITED :	THUCEDULT	RENNGMM
310 RILTGHTGSVLCL	QYDERVIITG	SSDSTVKVWD	AMIGEMPHIT	THICE THAT DIE.	
KIBIOIL		•			420
270	380	390		410	
370 VTCSKDRSIAVWD	WA COUDITULE	RVLVGHRAAV	NVVDFDDKYI	VSASGDRTIK	WNTSTC
VTCSKDRSIAVWL	MASEIDIID				
	440	450	460	470	480
430 EFVRTLNGHKRG	440	TACCE COMPLE	LWDIECGACL	RVLEGHEELV	RCIRFDN
EFVRTLNGHKRG]	[YCFÖXKDKPA	A2G22D11771			
		510	520	530	540
490	500	210	omr treueceite		SSSHDDT
490 KRIVSGAYDGKI	KVWDLVAALDI	RAPAGTLCLE	(TLVERSGRAF	IMOI DEL AT.	
ICICE V DOI 10		•	•		
550	560				
ILIWDFLNDPAA	OAEPPRSPSR	TYTYISR			
TPTMDEPNDEER	×			•	

FIG. 3A

(SHEET 4 OF 80)

•						••
10 TGCGTTGGCTGCGGCC	20 30 TGGCACCAAAGGGGCGG		50 60 GGACCCAGTGGCCT			. 90 GIGCIGC
100 110	120 -	130 140	150	160 17	0 180	
AAGAGAAGGCACTCAA	GTTTATGAATTĆCTCAG			-		ATTCACT
190 200 TAGACAGACATACAAC	AGCTGTGCCAGACTCTG	CTTAAACCAAGAAA	CAGTATGTTTAGC	•		
AAAACAAAACTTGCCA	atggçaçttccagtatg	ATTGTGCCCAAGCA	ACGGAAACTCTCAC	CAAGCTATGAAAAG		TGTGTCA
380 390 AATACTTTGAGCAGTG	400 41 GTCAGAGTCAGATCAAG	0 420 TGGAATTTGTGGAA	430 CATCTTATATCCC	440 450 AAATGTGTCATTACC	460 AACATGGGCACA	470 TAAACTC
480 GTATCTTAAACCTATG	490 °500 TTGCAGAGAGATTTCAT		520 530 CTCGGGGATTGGA			560 CCTGGAT
570 580 GCCAAATCACTATGTG	590 CTGCTGAACTTGTGTGC	600 610 AAGGAATGGTACCG	620 AGTGACCTCTGATY	630 64 GCATGCTGTGGAAG	0 650 AAGÇ <u>ITA</u> TCGAC	AGAATGG
660 670 TCAGGACAGATTCTCT	680 690 GTGGAGAGGCCTGGCAG	700 AACGAAGAGGATGG	710 7: GGACAGTATTTAT		740 CTGACGGGAATG	
760 7 CAACTCTTTTATAGA	70 780 GCACTTTATCCTAAAAT	790 80 TATACAAGACATTG	0 810 AGACAATAGAATC	820 FAATTGGAGATGTGG	830 84 AAGACATAGTTT	
850 860 ATTCACTGCCGAAGTG	870 88 AAACAAGCAAAGGAGTT	0 890 TACTGTTTACAGTA	900 TGATGATCAGAAA	910 920 ATAGTAAGCGGCCTT	930 CGAGACAACACA	940 ATCAAGA
950 TCTGGGATAAAAACAC	960 970 ATTGGAATGCAAGCGAA	980 TTCTCACAGGCCAT	990 1000 ACAGGTTCAGTCC	1010 ICTGTCTCCAGTATG	1020 1 Atgagagagtga	.030 TCATAAC
1040 1050 AGGATCATCGGATTCC	1060 1	070 1080 TGTAAATACAGGTG	1090 AAATGCTAAACAC	1100 111 GTTGATTCACCATTG	0 1120 TGAAGCAGTTCT	GCACTTG
1130 1140 CGTTTCAATAATGGCA	1150 1160 TGATGGTGACCTGCTCC	1170 AAAGATCGTTCCAT	1180 11	90 1200 ATGGCCTCCCCAACT	1210 GACATTACCCTO	1220 CCGGAGGĞ
1230 12 TGCTGGTCGGACACCC	40 1250 AGCTGCTGTCAATGTTG	1260 127	0 1280 AAGTACATTGTTT	12 ['] 90 1 CTGCATCTGGGGATA	300 131 GAACTATAAAGO	.0 TATGGAA
1320 1330 CACAAGTACTTGTGAA	1340 135 TTTGTAAGGACCTTAAA	0 1360 TGGACACAAACGAG	1370 GCATTGCCTGTTT	1380 1390 GCAGTACAGGGACAG	1400 GCTGGTAGTGAC	1410 PTGGCTCA
1420 TCTGACAACACTATCA	1430 1440 GATTATGGGACATAGAA	1450 1	.460 1470 ACGAGTGTTAGAA	1480 GGCCATGAGGAATTG		SOO
1510 1520	1530 1 CAGTGGGGCCTATGATG	540 1550	1560	1570 158	0 : 1590	
1600 1610	1620 1630	1640	1650 16	60 1670	1680	1690
1700 11	710 1720 TTAAATGATCCAGCTGCC	1730 174	1750	1760 1	.770 174	30
1790 1800	. 1810 182	1830	1840	1850 1860	1870	1880
1000	1900 1910 TTGGACTAGCCGAGGAGG	1920	1930 1940	1950	1960	L970
1000 100	2000 2	2010 2020	2030	2040 205	0 2060	
	TCAGTGCTGCTATCAG					CTCCTTT
2070 2080 CACCTCTGCACCTAG	2090 2100 PTTTTCCCATTGGTTCC	2110 CAGACAAAGGTGAC	2120 21 PTATAAATATATTI	30 2140 'AGTGTTTTGCCAGAI		

FIG. 3B

	10		30		50	60
MER	KDFETWLDNI:	SVTFLSLTDL	QKNETLDHLI	SLSGAVQLRH	LSNNLETLLKI	RDFLKLL
	•					
	7.0	8-0	90	100	110	120
PLE	LSFYLLKWLDI	POTLLTCCLV	SKQWNKVISA	CTEVWOTACK	NLGWQIDDSV	אשאיזעטנ
	•			~		20.10.1111.
	130	140	150	160 .	170	180
KVY	LKAILRMKQLE	EDHEAFETSS	LIGHSARVYA	LYYKDGLLCTO	GSDDLSAKLWI	ᠫᢕᠫᡘᠮᢄᠮᢗ
						, , D 1 0 V C
	190	200	210	220	230	240
VYG:	IQTHTCAAVKE	DEQKLVTGS	FDNTVACWEWS	SSGARTOHFRO	GHTGAVFSVDY	VDELDT
	250	260 .	270	280	290	. 300
ĻVSC	SSADFTVKVWA	LSAGTCLNTI	TGHTEWVTK	<i>V</i> LQKCKVKSI	LHSPGDYILI	SADKYE
	310	320	330	340	350	360
IKIV	VPIGREINCKO	LKTLSVSEDE	RSICLQPRLHE	FDGKYIVCSSA	LGLYQWDFAS	VALITAY
						LDILLI
	370	380	390	400	410	420
CKTE	PEIANLALLGF	GDIFALLFDN	RYLYIMDLRI	ESLISRWPLE	EYRESKRGSS	FI.AGER
				•		:
PG					•	

FIG. 4A

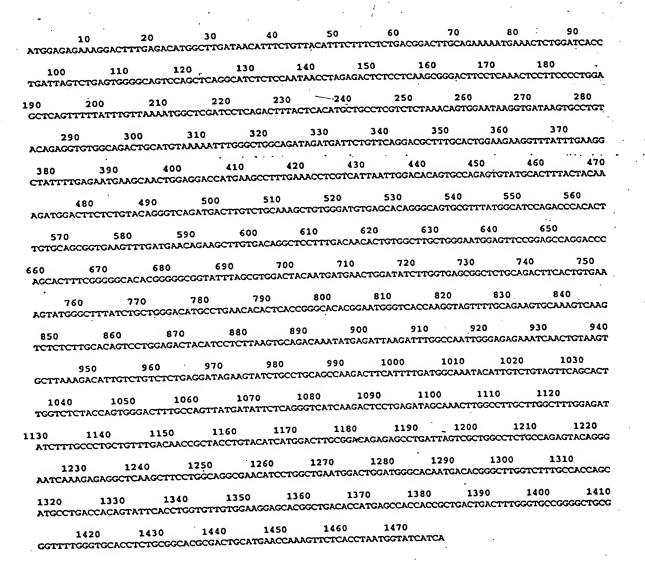


FIG. 4B

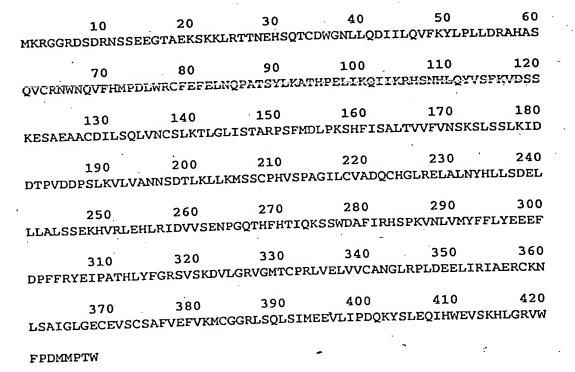


FIG. 5A

. 60 CGGGTGGTGTGTGGGGGAAGCCGCCCCGGCAGCAGGATGAAACGAGGAGGAGGAAGAGATAGTGACCGTAATTCATCAGAAGAAGGAACTGCAGA 120 . GAAATCCAAGAAACTGAGGACTACAAATGAGCATTCTCAGACTTGTGATTGGGGTAATCTCCTTCAGGACATTATTCTCCAAGTATTTAAATAT 200 210 220 230 240 250 260 TTGCCTCTTCTTGACCGGGCTCATGCTTCACAAGTTTGCCGCAACTGGAACCAGGTATTTCACATGCCTGACTTGTGGAGATGTTTTGAATTTG . 290 300 310 320 330 340 350 AACTGAATCAGCCAGCTACATCTTATTTGAAAGCTACCCATCCAGAGCTGATCAAACAGATTATTAAAAGACATTCAAACCATCTACAATATGT 390 400 410 420 430 440 450 CAGCTTCAAGGTGGACAGCAAGGAATCAGCTGAAGCAGCTTGTGATATACTATCGCAACTTGTGAATTGCTCTTTAAAAAACACTTGGACTT 480 490 500 510 ATTTCAACTGCTCGACCAAGCTTTATCGATTTACCAAAGTCTCACTTTATCTCTGCACTGACAGTTGTGTTCGTAAACTCCAAATCCCTGTCTT 620 630 ${\tt CGCTTAAGATAGATGATCCAGTAGATGATCCATCTCTCAAAGTACTAGTGGCCAACAATAGTGATACACTCAAGCTGTTGAAAATGAGCAG$ 660 670 680 690 700 710 720 CTGTCCTCATGTCTCCAGCAGGTATCCTTTGTGTGGCTGATCAGTGTCACGGCTTAAGAGAACTAGCCCTGAACTACCACTTATTGAGTGAT 770 780 790 800 810 850 860 870 880 890 900 910 920 960 · 970 980 CCCCTTCTTTCGCTATGAAATACCTGCCACCCATCTGTACTTTGGGAGATCAGTAAGCAAAGATGTGCTTGGCCGTGTGGGAATGACATGCCCT 1060 1070 1080 - 1090 AGACTGGTTGAACTAGTAGTGTGCAAATGGATTACGGCCACTTGATGAAGAGTTAATTCGCATTGCAGAACGTTGCAAAAATTTGTCAGCTA _ 1200 TTGGACTAGGGGAATGTGAAGTCTCATGTAGTGCCTTTGTTGAGTTTGTGAAGATGTGTGGCCGCCTATCTCAATTATCCATTATGGAAGA 1240 1250 1260 AGTACTAATTCCTGACCAAAAGTATAGTTTGGAGCAGATTCACTGGGAAGTGTCCAAGCATCTTGGTAGGGTGTGGTTTCCCGACATGATGCCC 1340 1350 1360

FIG. 5B

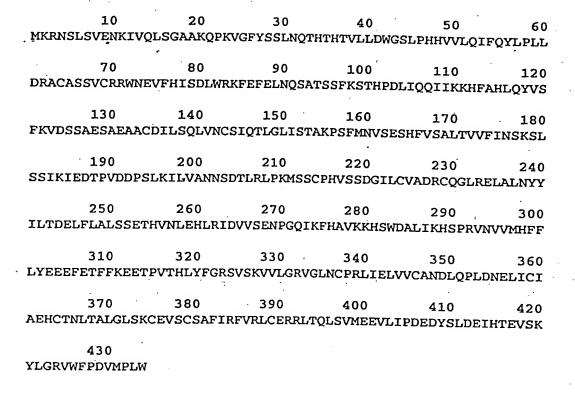


FIG. 6A

(SHEET 10 OF 80)

						•	
	10	20	30	40	50	60	
ACA'	TTTCTAATG	TTTACAGAATG	AAGAGGAACA	GTTTATCTGT	TGAGAATAAA	ATTGTCCAGTTGTCA	
70	80	90	100	110	120	130	
						ACACACACGGTTCTT	
			•	•			
140	150		1,70	180	190 ·	200	
CTA	GACTGGGGGA	GTTTGCCTCAC	CATGTAGTAT	TACAAATTTT	TCAGTATCTTC	CCTTTACTAGATĆGG	
			. 240	250	0.50	٠.	•
210	220 ~~~~~~~~~~		•	250 ************	. 260 ጥልጥጥጥጥሮል CO	270 CTTTGGAGAAAGTTT	
GCC	IGIGCAICII	CIGINIGING			······································	TITOAAAAATIT	
28						340	
GAA	TTTGAACTGA	ACCAGTCAGCT	ACTTCATCTT	TTAAGTCCAC	TCATCCTGATO	CTCATTCAGCAGATC	
_							
_		60 37) 410 GCTGAGTCAGCAGAA	
ATT	MANAGCATI	TIGCICATOTI	CAGIAIGICA	GCIIIMGGI	TORCHOTAGE	X I GAGI CAGCAGAA	
	420	430 . 4	40 4	50 4	60 47	70 480	
GCT	GCCTGTGATA	TACTCTCTCAG			GACCTTGGGC	PTGATTTCAACAGCC	
	490	500				540 550	
AAG	CCAAGTTTCA	TGAATGTGTCG	GAGICICATI	TIGIGICAGC	ACTIACAGTIC	GTTTTTATCAACTCA	
	560	570	580	590	600	610 620	
AAA			GAAGATACAC		TCCTTCATTG	AAGATTCTTGTGGCC	
	630	640	650	660	670 .	680 690	
AAT	AATAGTGACA	CTCTAAGACTC	CCAAAGATGA	GTAGCTGTCC	TCATGTTTCA	CTGATGGAATTCTT	
	700	710	720	730	740	750	
TGT				TGGCGTTGA	TTATTACATC	CTAACTGATGAACTT	
760	770	780	790	800	810	820	
TTC	CTTGCACTCT	CAAGCGAGACI	CATGTTAACC	TTGAACATCT	TCGAATTGAT	GTTGTGAGTGAAAAT	
830	840	850	860	870	880	890	
CCT		AATTTCATGC	GTTAAAAAAC			AAACATTCCCCTAGA	
-					•		
900			930	_940	. 950	960	
GTI	AATGTTGTTA	TGCACTTCTT	CTATATGAAG	aggaattcg <i>i</i>	GACGTTCTTC	AAAGAAGAAACCCCT	
0.0		10 990	1000	1010	1020	1030	
97	96 0 27-20-04-04-04-04-04-04-0					GGTCTCAACTGTCCT	
GII	ACICACCIII				•		
		50 100					
CGA	CTGATTGAGT	TAGTGGTGTG	GCTAATGATC	TTCAGCCTCT	TGATAATGAA	CTTATTTGTATTGCT	
-		100 11	30 11	140 11	150 11	60 1170	
						AGTGCCTTCATCAGG	
GAF	CACTGTACA	WCC I WYCNOCI				DONOTHOLICOCCU.	
	1180					230 1240	
TTT	GTAAGACTG?	rgtgagagaag	GTTAACACAG(CTCTCTGTAA:	rggaggaagtt	TTGATCCCTGATGAG	
				1200	1200	1200	
	1250	1260	1270 "2010222011"	1280 ICCAAATACC		1300 1310 TGGTTCCCTGATGTG	
GA?	TATAGCCTA	JATGAAATICA		_	LUGGAAGAGIA	of Diagrams	
	1320		riG	. 6B			
						. •	

ATGCCTCTCTGG

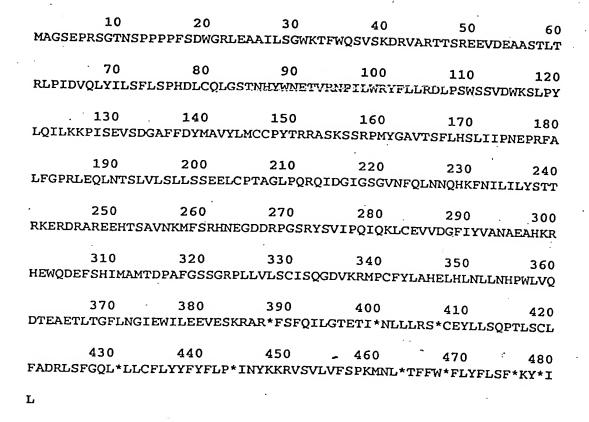


FIG. 7A

(SHEET 12 OF 80)

		•			50	60	•
NTCCCCCC	10 GAAGCGAG	CCCCCCAGCC	30 Gaacaaatt	40 :GCCGCCGCC	GCCCTTCAG	CGACTGGGG	CCCCCTG
AIGGCGG	10,21000,110			110	120	130	
70	80	90 AGCGGCTGGA	100 AGACCTTCT(GCAGTCAGT	GAGCAAGGA	TAGGGTGGC	CCGTACG
GAGGCGG	CCATCCIC						
140	150	160	170	180	190	200 מספרים ארציים	
ACCTCCC	CGGGAGGAC	GTGGATGAGG	CGGCCAGCA	CCTGACGCC	WC1GCGM1		
210	:. 220	030	240	250	260	27	
ATTTTG	TOCTTTCT	TCACCTCATG					
280	290	300 TCTGTGGAGAN	310 PACTTTTTGT	32) TGAGGGATC	0 33 TTCCTTCTTC	10 ∹GTCTTCTG	340 TTGACTGG
GTAAGA	AATCCAAT						
350	36	0 370 TCTACAAATC	38	3 בערייע מיני מינייטיי	90 AGGTCTCTG	100 ATGGTGCAT	410 TTTTTGAC
AAGTCT	CTTCCATA	TCTACAAATC	LLAVAVACC	CIRINICIO	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
420	4	30 4	40 4	50	460	470	480
TACATO	GCAGTCTA	30 4. TCTAATGTGC	TGTCCATAC!	CAAGAAGAG	CTTCAAAAT	CAGCCGTC	CTATGTAT
			E10	520	530	540	550
49 GGAGC1	i i NGTCACTTO	500 TTTTTTACAC	TCCCTGATC	TTCCCAATG	AACCTCGAT	TTGCTCTGT	TTGGACCA
_	560	570	580	590	600	610	620
CGTTT	SGAACAATI	570 GAATACCTCT	TIGGIGIIG	AGCTTGCTG1	CTTCAGAGG	AACTTTGCC	CAACAGCT
	620	640	650	660	670	680	690
CCTTT	630 GCCTCAGAG	640 GCAGATTGAT	GGTATTGGA	TCAGGAGTC	AATTITCAGI	TGAACAAC	CAACATAAA
				720	740	750	
ምም ር ል እ	700	710 TCTTATATTC	A DOTACEAGA	AAGGAAAGA	GATAGAGCAJ	AGGGAAGAG	CATACAAGT
* * CUV	CATICIAN	ICTATATIO	U (C1			•	
			700.	800	810	82	0
			700.	800	810	82	0
760 GCAGT	770 TAACAAGA	780 TGTTCAGTCG	790 · ACACAATGAA	800 GGTGATGAT	810 CGACCAGGAI	82 AGCCGGTAC	0 AGTGTGATT 90
760 GCAGT	770 TAACAAGA	780 TGTTCAGTCG	790 · ACACAATGAA	800 GGTGATGAT	810 CGACCAGGAI	82 AGCCGGTAC	0 AGTGTGATT 90
760 GCAGT 830 CCACA	770 TAACAAGA 840 GATTCAAA	780 TGTTCAGTCGA 850 AACTGTGTGA	790 - ACACAATGAA 860 AGTTGTAGAT	800 GGTGATGAT 870 GGGTTCATC	810 CGACCAGGAI	82 AGCCGGTAC 0 8 AATGCTGAA	0 AGTGTGATT 90 GCTCATAAA 960
760 GCAGT 830 CCACA	770 TAACAAGA 840 GATTCAAA	780 TGTTCAGTCGA 850 AACTGTGTGA	790 - ACACAATGAA 860 AGTTGTAGAT	800 GGTGATGAT 870 GGGTTCATC	810 CGACCAGGAI	82 AGCCGGTAC 0 8 AATGCTGAA	0 AGTGTGATT 90 GCTCATAAA 960
760 GCAGT 830 CCACA 900 AGACA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC	780 TGTTCAGTCG 850 AACTGTGTGA 920 AAGATGAATT	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATAT	800 GGTGATGAT 870 GGGTTCATC) 94 TATGGCAATG	810 CGACCAGGAI	82 AGCCGGTAC 0 8 AATGCTGAA 50 GCCTTTGGG	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGCGA
760 GCAGT 830 CCACA 900 AGACA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC	780 TGTTCAGTCG 850 AACTGTGTGA 920 AAGATGAATT	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATAT	800 GGTGATGAT 870 GGGTTCATC) 94 TATGGCAATG	810 CGACCAGGAI	82 AGCCGGTAC 0 8 AATGCTGAA 50 GCCTTTGGG	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGCGA
760 GCAGT 830 CCACA 900 AGACA 970 AGACA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC 98	780 TGTTCAGTCG 850 AACTGTGTGA 920 CAAGATGAATT 30 99 GTTTTATCTTG	790 ACACAATGAA 860 AGTTGTAGAA 930 TTCTCATATA 0 100 TATTTCTCA	800 GGTGATGAT 870 GGGTTCATC 94 TATGGCAATG AGGGGATGTA	810 CGACCAGGA 88 TATGTTGCA 0 9 ACAGATCCA 010 1	82 AGCCGGTAC BAATGCTGAA 50 GCCTTTGGG 020 CCCTGTTT	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TTATTTGGCT
760 GCAGT 830 CCACA 900 AGACA 970 AGACA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC	780 TGTTCAGTCG 850 AACTGTGTGA 920 AAGATGAATT 30 99 GTTTTATCTTG	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA	800 GGTGATGAT 870 GGGTTCATC 94 TATGGCAATG AGGGGATGTA	810 CGACCAGGA 88: TATGTTGCA 0 9 IACAGATCCA 010 1 IAAAAAGAATG	82 AGCCGGTAC 8 AAATGCTGAA 50 GCCTTTGGG 020 CCCTGTTTT	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TATTTGGCT
760 GCAGT 830 CCACA 900 AGACA 970 AGACA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC	780 TGTTCAGTCG 850 AACTGTGTGA 920 CAAGATGAATT 30 99 GTTTTATCTTG	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA	800 GGTGATGAT 870 GGGTTCATC 94 TATGGCAATG AGGGGATGTA	810 CGACCAGGA 88: TATGTTGCA 0 9 IACAGATCCA 010 1 IAAAAAGAATG	82 AGCCGGTAC 8 AAATGCTGAA 50 GCCTTTGGG 020 CCCTGTTTT	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TATTTGGCT 1100 AACTCTGACT
760 GCAGT 830 CCACA 900 AGACA 970 AGACA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC 98 CATTGTTGC	780 TGTTCAGTCG 850 AACTGTGTGA 920 CAAGATGAATT 30 99 CTTTTATCTTG 050 10	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA	800 GGTGATGAT 870 GGGTTCATC 94 PATGGCAATG AGGGGGATGTA 070 - 11 ATGGCTGGTC	810 CGACCAGGA 886 TATGTTGCA 0 9 CACAGATCCA 110 1 LAAAAGAATG	82 AGCCGGTAC 0 8 AATGCTGAA 50 GCCTTTGGG 020 CCCTGTTT 1090 GAGGCTGAJ	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TTATTTGGCT 1100 AACTCTGACT
760 GCAGT 830 CCACA 900 AGACA 970 AGACA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC 98 CATTGTTGC	780 TGTTCAGTCG 850 AACTGTGTGA 920 CAAGATGAATT 30 99 CTTTTATCTTG 050 10	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA	800 GGTGATGAT 870 GGGTTCATC 94 PATGGCAATG AGGGGGATGTA 070 - 11 ATGGCTGGTC	810 CGACCAGGA 886 TATGTTGCA 0 9 CACAGATCCA 110 1 LAAAAGAATG	82 AGCCGGTAC 0 8 AATGCTGAA 50 GCCTTTGGG 020 CCCTGTTT 1090 GAGGCTGAJ	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TTATTTGGCT 1100 AACTCTGACT
760 GCAGT 830 CCACA 900 AGACA 970 AGACA 1040 CATG	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGCC 98 CATTGTTGC 0 10 AGCTGCATC	780 TGTTCAGTCG 850 AACTGTGTGA 920 CAAGATGAATT 30 99 CTTTTATCTTG 050 10 CTGAATCTTCT	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA 60 1 CAAATCACCC	800 GGTGATGAT 870 GGGTTCATC 94 TATGGCAATG AGGGGATGTA ATGGCTGGTC 1140 AGAAGTGGA	810 CGACCAGGA 88 TATGTTGCA 0 9 GACAGATCCA 010 1 MAAAAGAATG 1080 CCAGGATACA 1150 ATCTAAGCGT	82' AGCCGGTAC 8 AATGCTGAA 50 GCCTTTTGGG 020 CCCTGTTTT 1090 GGAGGCTGAI 1160 TCCAAGATG	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TATTTGGCT 1100 AACTCTGACT 1170 ATTCTCTTT
760 GCAGT 830 CCACA 900 AGACA 970 AGACA 1040 CATG	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGCC 98 CATTGTTGC 0 10 AGCTGCATC	780 TGTTCAGTCG 850 AACTGTGTGA 920 CAAGATGAATT 30 99 CTTTTATCTTG 050 10 CTGAATCTTCT	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA 60 1 CAAATCACCC	800 GGTGATGAT 870 GGGTTCATC 94 TATGGCAATG AGGGGATGTA ATGGCTGGTC 1140 AGAAGTGGA	810 CGACCAGGA 88 TATGTTGCA 0 9 GACAGATCCA 010 1 MAAAAGAATG 1080 CCAGGATACA 1150 ATCTAAGCGT	82' AGCCGGTAC 8 AATGCTGAA 50 GCCTTTTGGG 020 CCCTGTTTT 1090 GGAGGCTGAI 1160 TCCAAGATG	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TATTTGGCT 1100 AACTCTGACT 1170 ATTCTCTTT
760 GCAGT 830 CCACA 900 AGACA 970 AGACA 1040 CATG	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGC 98 CATTGTTGC 0 10 AGCTGCATC 10 TTTTGAATC	780 TGTTCAGTCG 850 AACTGTGTGA CAAGATGAATT 30 99 CTTTTATCTTG CTGAATCTTCT 1120 1 GGCATTGAGTC 1190 ACTGAAACCA	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATAT 0 100 TATTTCTCA 60 1 CAAATCACCC	800 GGTGATGAT 870 GGGTTCATC 94 TATGGCAATG 00 10 AGGGGGATGTA ATGGCTGGTC 1140 AGAAGTGGA 1210 ATTACTAAG	810 CGACCAGGA 88 TATGTTGCA 0 9 GACAGATCCA 010 1 MAAAAGAATG 1080 CCAGGATACA 1150 ATCTAAGCGT 1220 GTCGTGATG	82 AGCCGGTAC 0 8 AAATGCTGAA 50 GCCTTTTGGG 020 CCCTGTTTT 1090 GAGGCTGAA 1160 TGCAAGATGA	O AGTGTGATT 90 GCTCATAAA 960 GTCTCGGGA 1030 TATTTGGCT 1100 AACTCTGACT 1170 ATTCTCTTT 1240 GCTCAGTCAG
760 GCAGT 830 CCACA 900 AGACA 970 AGACCA 1040 CATG	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC 98 CATTGTTGC 10 TTTTGAAT	780 TGTTCAGTCG 850 AACTGTGTGA CAAGATGAATT 30 99 CTTTTATCTTG CTGAATCTTCT 1120 1 GGCATTGAGTC 1190 ACTGAAACCA	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA 60 1 AAAATCACCC	800 GGTGATGAT 870 GGGTTCATC 94 PATGGCAATG 00 10 AGGGGATGTA 1140 AGGAGTGGA 1210 PATTACTAAG	810 CGACCAGGAI 886 TATGTTGCA 0 9 CACAGATCCA 010 1 NAAAAGAATG 1080 CCAGGATACA 1150 ATCTAAGCGT 1220 GTCGTGATG	82' AGCCGGTAC 0 8 AATGCTGAA 50 GCCTTTGGG 020 CCCTGTTT 1090 GAGGCTGAI 1160 TGCAAGATG 1230 TGAATATTT	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TTATTTGGCT 1100 AACTCTGACT 1170 ATTCTCTTTT 1240 GCTCAGTCAG
760 GCAGT 830 CCACA 900 AGACA 970 AGACCA 1040 CATG	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC 98 CATTGTTGC 10 TTTTGAAT	780 TGTTCAGTCG 850 AACTGTGTGA CAAGATGAATT 30 99 CTTTTATCTTG CTGAATCTTCT 1120 1 GGCATTGAGTC 1190 ACTGAAACCA	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA 60 1 AAAATCACCC	800 GGTGATGAT 870 GGGTTCATC 94 PATGGCAATG 00 10 AGGGGATGTA 1140 AGGAGTGGA 1210 PATTACTAAG 1280 TTCATTTGG	810 CGACCAGGA 886 TATGTTGCA 0 9 CACAGATCCA 010 1 AAAAAGAATG 1080 CCAGGATACA 1150 ATCTAAGCGT 1220 GTCGTGATG	82' AGCCGGTAC 0 8 AATGCTGAA 50 GCCTTTGGG 020 CCCTGTTT 1090 GAGGCTGAI 1160 AGCAAGATG: 1230 ACTGCTGTG	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TTATTTGGCT 1100 AACTCTGACT 1170 ATTCTCTTT 1240 GCTCAGTCAG
760 GCAGT 830 CCACA 900 AGACA 970 AGACA 1040 CATG 11 GGTT 1 CAGA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC 98 CATTGTTGC 10 AGCTGCATV 1180 ATCTTGGGA 1250 ACCTTGTCC	780 TGTTCAGTCG 850 AACTGTGTGA 920 AAGATGAATT 30 99 GTTTTATCTTG 050 10 CTGAATCTTCT 1120 1 GGCATTGAGTC 1190 ACTGAAACCA 1260 TGCCTTTTTG	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA 130 GGATTCTTGA 1200 TTGAAATTT	800 GGTGATGAT 870 AGGGTTCATC 94 PATGGCAATG 00 10 AGGGGATGTA 1140 AGAAGTGGA 1210 PATTACTAAG 1280 TTCATTTGG	810 CGACCAGGA 886 TATGTTGCA 0 9 BACAGATCCA 010 1 MANAAGAATG L080 CCAGGATACA 1150 ATCTAAGCGT 1220 GTCGTGATG 1290 ACAGCTATA	82 AGCCGGTAC 0 8 AATGCTGAA 50 GCCTTTGGG 020 CCCTGTTTT 1090 GAGGCTGAI 1160 ACCAAGATG 1230 IGAATATTT 1300 ACTGCTGTG	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGCGA 1030 TATTTGGCT 1100 AACTCTGACT 1170 ATTCTCTTT 1240 GCTCAGTCAG 1310 TTTTTTTATAT
760 GCAGT 830 CCACA 900 AGACA 970 AGACA 1040 CATG 11 GGTT 1 CAGA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGGC 98 CATTGTTGC 10 AGCTGCATV 1180 ATCTTGGGA 1250 ACCTTGTCC	780 TGTTCAGTCG 850 AACTGTGTGA 920 AAGATGAATT 30 99 GTTTTATCTTG 050 10 CTGAATCTTCT 1120 1 GGCATTGAGTC 1190 ACTGAAACCA 1260 TGCCTTTTTG	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TATTTCTCA 130 GGATTCTTGA 1200 TTGAAATTT	800 GGTGATGAT 870 AGGGTTCATC 94 PATGGCAATG 00 10 AGGGGATGTA 1140 AGAAGTGGA 1210 PATTACTAAG 1280 TTCATTTGG	810 CGACCAGGA 886 TATGTTGCA 0 9 BACAGATCCA 010 1 MANAAGAATG L080 CCAGGATACA 1150 ATCTAAGCGT 1220 GTCGTGATG 1290 ACAGCTATA	82 AGCCGGTAC 0 8 AATGCTGAA 50 GCCTTTGGG 020 CCCTGTTTT 1090 GAGGCTGAI 1160 ACCAAGATG 1230 IGAATATTT 1300 ACTGCTGTG	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TTATTTGGCT 1100 AACTCTGACT 1170 ATTCTCTTTT 1240 GCTCAGTCAG 1310 TTTTTTATAT
760 GCAGT 830 CCACA 900 AGACA 970 AGACCA 1040 CATGA 11 GGTT 1 CAGA	770 TAACAAGA 840 AGATTCAAA 910 ATGAATGCC 98 CATTGTTGC 10 TTTTGAAT 180 1250 ACCTTGTCC 1320	780 TGTTCAGTCG 850 AACTGTGTGA 920 AAGATGAATT 30 99 GTTTTATCTTG 050 10 CTGAATCTTCT 1120 1 GGCATTGAGTC 1190 ACTGAAACCA 1260 TGCCTTTTTG	790 ACACAATGAA 860 AGTTGTAGAT 930 TTCTCATATT 0 100 TAATTCTCA 1200 TTGAAATTA 1270 CAGATAGGCT 1340 TCAATTACA	800 GGTGATGAT 870 GGGTTCATC 94 PATGGCAATG 00 10 AGGGGATGTA 1140 AGAAGTGGA 1210 PATTACTAAG 1280 PATTACTAAG 1280 PATTACTAAG 1350 AGAAAAGAGT	810 CGACCAGGAI 886 TATGTTGCA 0 9 CACAGATCCA 010 1 NAAAAGAATG 1150 ATCTAAGCGT 1220 GTCGTGATG 1290 ACAGCTATA 1360 TTCAGTCCT	82' AGCCGGTAC 0 8 AATGCTGAA 50 GCCTTTGGG 020 CCCTGTTT 1090 GAGGCTGAI 1230 TGAATATTT 1300 ACTGCTGTG	0 AGTGTGATT 90 GCTCATAAA 960 TCTTCGGGA 1030 TTATTTGGCT 1100 AACTCTGACT 1240 GCTCAGTCAG 1310 TTTTTTTATAT 1380 CCCCAAAATG

FIG. 7B

			40	50	. 00
MSRRPCSCALRP	PRCSCSASPSAV	TAAGRPRPSI	OSCKEESSTL:	SVKMKCDFNCN	HVHSGL
70		90		110	120
KLVKPDDIGRLV	SYTPAYLEGSCK	DCIKDYERL	SCIGSPIVSP	RIVQLETESKE	LHNKEN
130		150		170	
QHVQQTLNSTNE	IEALETSRLYED	SGYSSFSLQ	SGLSEHEEGS	LLEENFGDSLQ	SCLLQI
		•			
190	200	210	220	230	240
QSPDQYPNKNLL	PVLHFEKVVCSI	LKKNAKRNP	KVDREMLKEI:	IARGNFRLQNI	IGRKMG
250	260	270	280	290	300
LECVDILSELFR	RGLRHVLATIL <i>I</i>	QLSDMDLIN	VSKVSTTWKK:	ILEDDKGAFQI	YSKAIQ
					•
310	320	330	340	350	360
RVTENNNKFSPH	ASTREYVMFRT	PLASVQKSAA	QTSLKKDAQT:	KTZNÖGDÖKGS	STYSRHN
				•	
370	380	·390	400	410	420
EFSEVAKTLKKN	ESLKACIRCNS	PAKYDCYLQR	ATCKREGCGF:	DYCTKCLCNYI	ITTKDCS
			•	-	
430	440		•	· · · · · · · · · · · · · · · · · · ·	•
DOKLIKASOKTO	PT.PGTKKSKKNI	CRRL .			

FIG. 8A

(SHEET /4 OF 80)

AGGTT	10 SCTCASCTG		30 GGTTCCTCCA				70 \GCCGGCGCCC		90 CCCCTACGG
100	0 1	10 1	20 1	30 .14	0 15	i0 16	50 17	0 1:	30
CCACCO	CCCTCCTC	CTGCAGCGCC	AGCCCCAGCG	CAGTGACAGCC	ccccccccc	CTCGACCCTC	GGATAGTTGT.	aaagaag	GTTCTACCC
190 TTTCT(200 STCAAAATG	210 · AAGTGTGATT	220 [·] TTAATTGTAA	230 CCATGTTCATT	240 CCGGACTTAA	250 Actggtaaa	260 CCTGATGACA	270 ITGGAAGAC	280 PAGTTTCCTA
CACCCC	290 CTGCATATC	300 rggaaggttc	310 CTGTAAAGAC	. 320 IGCATTAAAGA	330 CTATGAAAGG	340 CTGTCATGTA	350 :	360 Gattgtgage	370 CCTAGGATT
380	390	400		420	. 430	440	450	480	476
	480	490	500 GTGGCTATTC	510	520	530	540	550	560
570	5	30 5	90 60 CCTGCTACAA	00 61	0 62	0 63	0 640	. 65	
660 GTGGT1	670 TTGTTCAAC	680 Attaaaaaag	690 AATGCAAAAC	700 Gaaatcctaaa	710 GTAGATCGGG	720 AGATGCTGAA	730 GGAAATTATAC	740 SCCAGAGGA	750 ATTTTAGAC
TGCAGA	060 ATATAATT	770 GCAGAAAA	780 TGGGCCTAGAI	790 ATGTGTAGATA	800 TTCTCAGCGA	810 ACTCTTTCGA	820 8 AGGGGACTCAC	330 SACATGTCTT	840 AGCAACTAT
850 TTTAGO	860 ACAACTCA	870 STGACATGGA	880 TAASTAATTS	890 TGTCTAAAGT	900 GAGCACAACT	910 TGGAAGAAGA	920 TCCTAGAAGA1	930 GATAAGGG	940 GCATTCCAG
TTGTAC	950 AGTAAAGC	960 ATACAAAGA	970 GTTACCGAAAJ	980 ACAACAATAAA	990 TTTTCACCTC	1000 ATGCTTCAAC	1010 CAGAĢAATATO	1020 TTATGTTCA	1030 GAACCCCAC
1040 TGGCTT	10:	50 10 VAATCAGCAG	60 107 CCCAGACTTC1	10 108	0 109 ATGCTCAAAC	0 110 CAAGTTATCC	0 1110 AATCAAGGTGA	112 TCAGAAAGG	0 TTCTACTTA
1130 TAGTCG	1140 SACACAATG	1150 ATTCTCTGA	1160 GGTTGCCAAGA	1170 CATTGAAAAA	1180 GAACGAAAGC	1190 CTCAAAGCCT	1200 GTATTCGCTGT	1210 AATTCACCT	1220 GCAAAATAT
12 GATTGO	30 I	240 ACGGGCAACC	1250 1 TGCAAACGAGA	260 1:	270 1:	280 1 GTACGAAGTG	290 13 ICTCTGTAAT1	00 1 ATCATACTA	310 CTAAAGACT
1320 GTTCAG	1330 ATGGCAAG	1340 TCCTCAAAG	1350 CAGTTGTAA	1360 ATAGGTCCCC	1370 IGCCTGGTAC	1380 AAAGAAAAGC	1390 Aaaagaatti	1400 ACGAAGATT	1410 GTGATCTCT
	1420 ATCAATTGT	1430 TACTGATCA	1440 rgaatgttagt	1450 Tagaaaatgi	1460 PAGGTTTTAA	1470 CTTAAAAAA	1480 ATTGTATTGTG	1490 ATTTŤCAAT	1500 TTTATGTTG
1510 AAATCG	152 GTGTAGTAT	0 15	30 154	0 1550	0 1560 GAGGATAGAC	0 1570	0 1580 AATATTTTTAC	159 AATTTAATG	
1600	1610	1620	1630 Caatttaaata	1640	1650	1660	1670	1680	1690
17	00 1	.710		.730 13	740 13	750 1	760 17	70 1	780
1790 CTTACT			1820 ATATCAACTTO				1860 Faaagcittit	1870 TTCATTGTG	1880
	1890	1900		1920	1930	1940	1950 .	1960 -	1970
1980	199	0 200		0 2020	2030	2040	2050	206	0
2070 ACTAGT	ec .	,		FIG	. 8B				

	10	20	30	, 40	50	60
ARSG	ASALRRRRV	QVWVLSRPPPC	GGDSFRTRRI	PORGPGPGGS	QAMDAPHSKAI	ALDSÍNE
	70	80	90	100	110	120
LPDN)	LLELFTHV	PARQLLLNCRI	VCSLWRDLII	DLLTLWKRKCI	LRKGFITKDWI	WCAVGQ
•	130	140	150	160 .	170	180
KIFYE	FLRSLHRNL	LRNPCAENDME	AWQIDFNGGI	DRWKVDSLPG	AHGTEFPDPK	/KKSFVT
	. 190	200	210	220	230	240
SYELC	PKMETADT	<u>LADRYWEELLI</u>	TFRPDIVVKI	OWFAARADCG(CTÝQLKVQLAS	SADYFVL
	. 250	260	270	280	290	300
ASFEI		NNATWTEVSY	resdyprgvr3	/ILFQHGGRD	rqywagwyg Pi	RVTNSSI
	310	320	330	•	,	•
VVSPI		EAQPGQKHGQI	EEAAQSPYGAV	/VQIF		

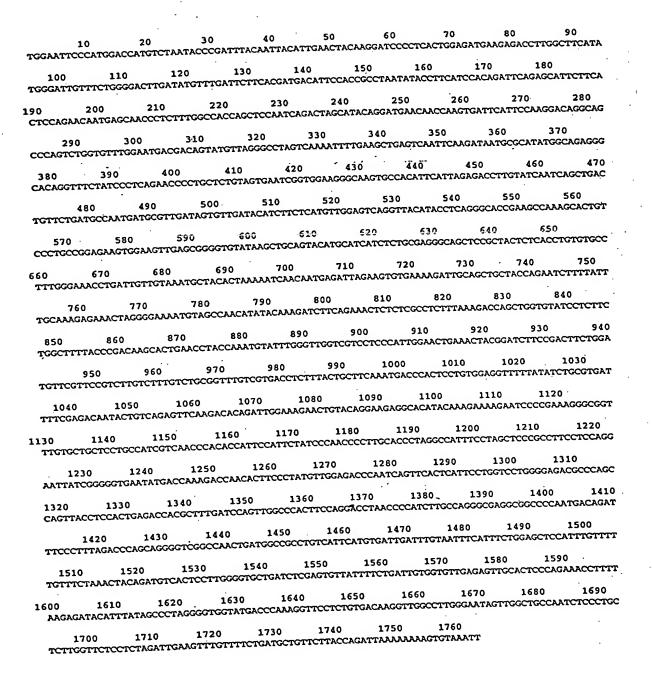
(SHEET 16 OF 80)

•	10	20	30	40	50		60	70	80	
	STTCGGGAGCT	regecere	CTAGGAGG	GGGTGCAG	CTCTCCCT	CTGAGCC	ecccecc	SCCTGGAG	GGGGAGACA	GCTTCAGGACAC
. 10	00 11	0 13	20 1	130	140	150	160	0	170	180.
									•	CGAGCTGCCCGA
190 TAAC	200 ATCCTGCTGGA	210 GCTGTTCAC	220 GCACGTGCC	230 :GCCCGCC#) 2. AGCTGCTGC	10 IGAAÇTGC	250 CGCCTGG	268 TCTGCAGC	270 CTCTGGCGG	280 GACCTĆATCGAC
~~~	290	300	310 TGCCTGCGA	320	330 CATCACCAA	340 GGACTGGG	ACCAGCO	350 CGTGGCCG	360 ACTGGAAAA	370 TCTTCTACTTCC
Cicci		700.000.00					440	. 45		60 470
380 TACGO	GAGCCTGCATA	GGAACCTCC	TGCGCAACC	CGTGTGCT	GAAAACGAT.	ATGTTTGC	ATGGCAA	ATTGATTT	CAATGGTGG	GGACCGCTGGAA
GGTG	480 GATAGCCTCCC	490 TGGAGCCCA	500 CGGGACAGA	510 ATTTCCTG	520 ACCCCAAAG	5 TCAAGAAG	30 TCTTTTG	540 TCACATCC	550 TACGAACTG	560 TGCCTCAAGTGG
			٥.	600	610	620	63	0	640	
		600	690	70	0 7	10	720	730	740	750 TGTGACCATCCA
ACAG	760 TGGAACAATGO	770 CACATGGAC	780 . AGAGGTCTC	790 CTACACCT	800 TCTCAGACT	810 ACCCCCGG	). GGTGTCC	820 GCTACATO	830 CTCTTCCAG	840 CATGGGGGCAGG
850 GACA	CCCAGTACTG	GCAGGCTGG	TATGGGCCC	CGAGTCAC	CAACAGCAG	CATIGIC	MCAGCCC	CAAGATGA	CCAGGAACC	30 940 AGGCCTCGTCCG
AGGC	950 TCAGCCTGGGG	960 CAGAAGCATO	970 GACAGGAGG	980 AGGCTGCC	990 CAATCGCCC	10 TACGGAGG	000 TGTTGTC	1010 CAGATTTI	1020 CTGACAGCT	1030 GTCCATCCTGTG
10 TCTG	40 105 GGTCAGCCAG	50 10	60 1 CAGGCAGGAG	.070 CTGAGCAT	1080 GGGGTGGG	1090 AGTGAGGT	110 CCCTGTA	o o t	110 TCCTGCCC	1120 · CGTTCAACCCTA
			1160	117	0 11	80	1190	1200	1210	1220 CTGTAATCCCAG
CACI		GAGGCAGGTY	GATCACGAC	GICAGGAG	ACAGAGAC	ATCCTGG	CCAACACC			ACTAAAAATACAA
1320 AAA	ATTAGCCGGGC	GTGGTGGCG	GCGCCTGTA	CTCCCAGC	TACTCGGG	AGGCTGAT	JCAGAAG/	MIGGCGIV	JAACCCGGA	400 1410 AGGCAGAGCTTGC
AGTO	1420 GAGCCGAGATC	1430 ACGCCACTG	1440 CACTCCAGCO	1450 TGGGTGAC	1460 AGAGCGAG	) 1 ACTCTGGC	470 ICATAAA	1480 ATAATAAT	1490 AATAATAAA	1500 Гааатаааааат
1.5 AATX	510 15 GGTTTTCAGTA	20 1:	530 AAAAAAAA							•

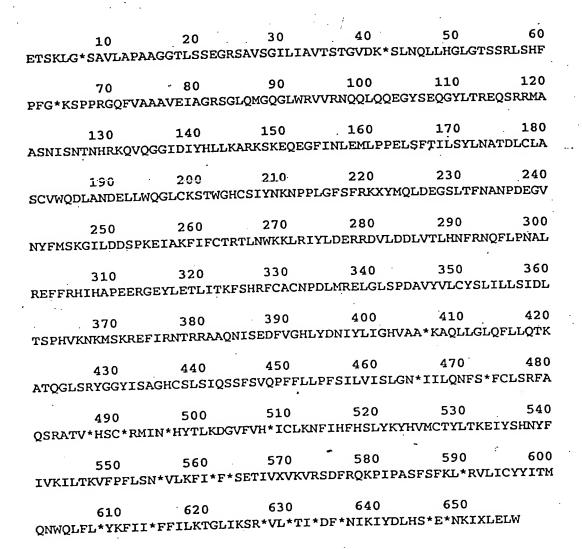
FIG. 9B

	10		30	40,	50	60
MSNTR	FTITLNYKD	PLTGDEETL	ASYGIVSGDL	ICLILHDDIP	PPNIPSSTDS	EHSSLQN
	70	0.0	0.0			. •
MODO			90	100	. 110	120
NEQPS	LATSSNQTS	TODEOPSOS	FQGQAAQSGV	WNDDSMLGPS	QNFEAESIQD	NAHMAEG
				-		
	130		150		170	180
TGFYP:	SEPLLCSES	VEGQVPHSL	ETLYQSADCS	DANDALIVLI	KLLMLESGYI	PQGTÈAK
			•			
	190	200	210	220	230	240
ALSLPI	EKWKLSGVY	KLQYMHHLC:	EGSSATLTCV	PLGNLIVVNAT	LKINNEIRS	VKRLQLL
	250		270		290	300
PESFIC	CKEKLGENV	ANIYKDLQKI	LSRLFKDQLV	<b>PLLAFTRQAL</b>	NLPNVFGLV	/LPLELK
	310	320	330	340	.350	360
LRIFRI	LDVRSVLS	LSAVCRDLF	<b>PASNDPLLWR</b> E	FLYLRDFRDNT	VRVQDTDWKI	ELYRKRH
	370		390		410	420
IQRKES	PKGRFVLLI	LPSSTHTIPE	FYPNPLHPRPF	PSSRLPPGII	GGEYDQRPTI	PYVGDP
					•	
			450			480
ISSLIP	GPGETPSQI	LPPLRPRFDE	PVGPLPGPNPI	LPGRGGPNDR	FPFRPSRGRE	TDGRLS
				•		
FM						

FIG. 10A



**FIG. 10B** 



**FIG. 11A** 

#### (SHEET 20 OF 80)

•		•							_		
	10	20	. 3,0	40		50	60	7(	) 	80 ~~~~~~~~	90
GGAAACG	TCAAAATTG	GGATAGT	CGGCAGTT	CYGGCCCCT	CCACCTC	GAGGTAC	CCIGAGIA	CIGAGGG	ICC1AC1C	-10111010	GIAITCIC
					140	1	50	160	170	180	
100	110		120 CCACAAGT	A A A CTTTGA	ATCAGCT	ICTCCAT	GCCTGGG	CACCAGT	CCCGGCT	GAGCCATTI	TCCTTTTG
ATCGCGG	TCACCICIA	CCCCTCT	GGACAAGI			٠					
190	200	210	. 22	0 2	30	240	250	) :	260	270 ·	. 280
GCTAAAA	GTCCCCGCC	CAGAGGC	CAATTCGT	cececeec	GGTGGAG	ATCGCAC	GTCGCTC	AGGCTTGC	AGATGGGT	CAAGGGTTG	TGGAGAGT
					22	^	340	350	36	0 3	70
29	0 3	300	310	- 320 TACACTGAC	CAAGGCT	ACCTCAC	CAGAGAG	CAGAGCAG	GAGAATGG	CTGCGAGC	ACATTTCT
GGTCAGA	AACCAGCAG	CIGCAAC	AAGAAGGC	IACAGIO	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		·		•		
300	390	40		410	420	430		440	450	460	470 CATTAATT
AACACCA	ATCATCGT	AAACAAGT	CCAAGGAG	GCATTGAC/	<b>ATATATCA</b>	TCTTTI	BAAGGCAAG	GGAAATCG	AAAGAACA	GGAAGGAT	CATTAATT
					_	E20	530	54	n	550	560
	480	490	500	51(	→~TA~~TG	BATGCA	ACTGACCT	TTGCTTGG	CTTCATGI	GTTTGGCA	GACCTTGC
TGGAAAT	CITCCCIC	CTGAGCT	AGCTTTAC	CATCTIGI	CIACCIO						
570	58	^	590	600	610		620	630	640	65	0
57U	יסכ מיטעדיים מביח	O CTGGCAAG	GGTTGTGC	AAATCCAC	TTGGGGTC	ACTGTT	CCATATAC	aataagaa	CCCACCTI	TAGGATTT	CTTTTAGA
GAALGA.	.070.01101							•	710	740	75 <b>0</b>
660	670	680	69	0	700	710	72 TO A COCCA C	U ተርኔኔርተልር	73U TTTATT	YAAGGGTA	TCCTGGATG
AAAKTG	PATATGCAG	CTGGATG	AAGGCAGCU	TURCUTTI.	MAIOCCA						CCTGGATG
					0.0	10	210	820	R7	10	840
7	60 a	770 TACCAAA	CTTATCT	CTGTACAA	GAACACT	LAATTGG	AAAAAACT	CAGAATC	TATCTTGAT	Gaaaggag	AGATGTCTT
ATTCGC	CAAAGGAAA	INGCAM						_			040
850	860	.8	70	880	890	. 90	0	910	920	. 930	940 GAAGAGCGT
GGATGA	CCTTGTAAC	ATTGCAT	AATTTTAG	AAATCAGTI	CIIGCON	W. CO.C.	10.10.10.1				
					_	000	1000	101	١٥ .	1020	1030
	950	960	970	8	O NACATIVITY	STGCTTG	CAACCCTG	ATTTAAT	CGAGAAC	MGGCCTTA	GTCCTGATG
GGAGAG	TATCTTGAP	ACTCTTA	TAACAAAG	ricicaca	NONIZZZ						
1040	105		1060	1070	1080	1	.090	1100	1110	112	0 .
1040	ATCTACTO	GCTACTC	TTTGATTC	TACTTTCC	TTGACCT	CACTAGO	CCTCATGT	CAAGAAT	<b>AAAATGTC</b>	AAAAAGGGA	ATTTATTCG
				_		1100	310		1200	1210	1220
1130	1140	1150	11	60 ]	170 ~~~~~~~	TIOU	LII CAACAAT	PATCTACC	TATTGGC	CATGTGGCT	CCATAAAA
	~~~~~~~~	~~~~~~~ ぬ か	AATATIAG	ICAMONIII	1011000						
_	230		1250	1260	. 12	70	1280	1290	13	00 1	.310
17	230	124U NGTTC AG1	TTTTACTI	CAGACTAN	AGCTACCC	AAGGACT	TAGCAGA1	TATGGGGG	TTACATCA	GTGCTGGT	CATTGTAGCC
GCACAA	(TIGCTAGG	ACTICAG:								1400	1410
1320	1330	13	340	1350	1360	13	70 :	1380	1390 ~~~~	∪∪₽1 `ααπααα τ ∩	1410 TTTTGCAGAA
TGAGT	ATTACABTE	ACCTTCA(TGTGCAAC	CITITITI	C1111000						
						1460	1470	114	80	1490-	1500
	1420	1430	1440	14:	SV GAGCCACT	GTCTAA	CACAGCTG	TTAACGAA	TGATAAAC	TGACATTA	TACTCTAAAA
TTTTT	CTAATTT	GTTTATC	ACGITIIGC	ACAMAGEN	ONOCCI IO .						
	0 15	20	1530	1540	1550	1	1560	1570	1580	15	90
1510	D 15	ZU CCATTAG	ATTTGCCTC	AAAAACTT	TATCCATI	TCCATT	CTTTATAC	AAATACCA	TGTAATGI	CTACATAT	ITAACTAAAG
GATGG	IGIAITIGE	GCAL ING.			•					1600	1600
1600	1610	162	0 16	530	1640	1650	16	60 ~886~~	1010 T010	TTTATTA	GATTCTGATC
30377	ጥ እ ጥ እ ርግፕሮ እ ጥ	TTATTA	TTATIGIA	TUCKITION	20110010						
							1750	1760	111	770	1780
1	700	1710	1720	AULTONOTO AULTONOTO	GRCAGAA	ACCANTA	CCAGCTTC	CTTTTCCT	TTAAACT	TGAAGAGT	GTTGATTTGT
TGAAA	CTATIGICI	YCGTAAA	ACT TACAT								
1700	1 200	1	810	1820	1830	18	40	1850	1860	1870	1880 AAGTCTCGGT
±ν~τν Τ/λΩ	TATTACTAT	CCAAAAC	TGGCAGIT	WILLILIWIE	WILLIAM.	• • • • • • • • • • • • • • • • • • • •					
						4030	10/0	. 1	950	1960	1970
	1890	1900	191	0 19	20	PALLEVO TARA	JPKI Dogtanto	, 'AATAAAA'	TAAAATAT	YATTAGAAC	TCTGGT.
AAGTO	CTTTAAACC	CATTTAGG	AATTTTA:	AACATCAN	ATTTATG	MITTINCE	· · · · · · · · · · · · · · · · · · ·				

FIG. 11B

10 MAAAAVDSAME	20	30	AU PGEM EV	50	60
TIMANA DOMINI	VVIALMIDLM	IL DANGEDED.	, MDL GDADET.		IGRVSSICR
70	80	90	100	110	120
RLRELCQSSGK	VWKEQFRVRW	PSLMKHYSP	PDYVNWLEEY!	KVRQKAGLEAR	KIVASFSKR
130				. 170	180
FFSEHVPCNGF	SDIENLEGPE	TELEDELACI	LUNMEGRKAL	IWKYYAKKILY	YLRQQKILN
. 190	200	210	220	230	240
NLKAFLQQPDD	YESYLEGAVY	IDQYCNPLSI	DISLKDIQAQ	DSIVELVCKT	LRGINSRHP
•				•	
250		270		290	300
SLAFKAGESSM	IMEIELQSQV	LDAMNYVLYI	OQLKFKGNRMI	DYYNALNLYMH	QVLIRRTGI
210	220	220	340	250	
310 PISMSLLYLTI					360
FISHSDUIDIT	MY OLGV FILEF	AME E SHE DDI	WCQGALGAII	DIFDITIDA	rgrgrgniv
370	380	. 390	400	410	420
KECEYLIGQHV	TAALYGVVNV	KKVLQRMVGN	ILLSLGKREG1	DQSYQLLRDS	LDLYLAMYP
		450		470	-
DQVQLLLLQARI	LYFHLGIWPE	KVLDILQHIQ	TLDPGQHGAV	GYLVQHTLEH	IERKKEEVG
490	500	510	520	530	540
VEVKLRSDEKHI					
121.01.022.41					***************************************
550	560	570	- 580	⁻ 590	: 600
QPFYNVLVEDG	SCRYAAQENL	EYNVEPQEIS	HPDVGRYFSE	FTGTHYIPNA	ELEIRYPED
					•
610	620				
LEFVYETVQNI	YSAKKENIDE		•		

FIG. 12A

(SHEET 22 OF 80)

QATO	10	20 100000000000000000000000000000000000	30 CGATOGACGTY	40	50 .TOCCOCACO	60 :x000000000	70 03A00TA000	E0 POSCETCAGE	90 TOCCTCOTCA	100 ACCTGCCGGG	110 TGAGGTGCTG	120 GASTACATCCT	130 0100100000100
140	150	160	170	180	190	200	210 ACCCCCAAC	220 210100AA00	230 ACCACTTCCC	240 2010A00100	250 CCTTCCCTTA	260 TGAAACACTAC	270 ACCCCACCGACT
			***	770	330	340	350	360	370 .	380	390	400	vervectiervee
				460	430	480	490	500	510	520	. 510	540	550 TCTTAAGGCCTTT
				400	610	. 620	630	640	650	660	670	680	CTTTOCALANÇCC
					760	760	220	280	790	800		820	
				*								0 960	ACTICAACCCAA 970
100	BEO BSO	PAATOCCCTC)	ACTIATATA	CATCACCTE	TCATTCCC	CAACAGGAAT			60 10			27000ACTOGA	OCCTOTOMOTTO 1110
CCA	980 9:	TAXOGTOCTO	io 101 ECHARCECA	0 1020 SAACOOCCGAO) 10: CCTOGACA	104 CTTTGACTAC	ATCTACATA	CYLOCALLIC	DGALAGGEAA	OCKOCTGACI	GTGAAAGAAT	OCCAGTACTTC	NTCOCCACCACO
TGA	1120 1 CTGCAGCACTOT	L30 11	110 11 EANTOTCAAGA	50 110 AGGTGTTACA	SO 1:	170 11 2000UACCTGT	TAXOCCTOO	190 1 OGNOCCOCA	200 1 JOSCATOGAC	210 I CAGTCATACO	1220 I	230 12 UGACTCCCTCC	40 1250 EXTCTCTATCTCCC
AAT.	1260 GTACCOGACCA	1270 · 1	1280 1	290 1:	NOTTOCAC	ETOOGLATET	1320 XXXXXXXXXX	1330 0010011G A0	1340 ATCCTCCAGC	1350 ACATCCAAA	1360 ************************************	1370 1 2000CACCACCAC	380 1390 CCCCCTCCCCTAC
							1460	1470	1480	1490	1500	1510	1520 LOGTATOCCTATA
							1600	1610	1670	1610	1640	1650	1660.
							1740	1750	1760	1770	1740	1790	1800
	CCUGUUCTT	CANTATANC	TOCACCTCA			1170	1880	1690	1900	1910	1920	1910	LAGAAGATCTOCAG
1610	CTCTATGAAACO	1830 GTOCAGAATA	1840 ETTACAGTOCA	wannever	ACATAGATG	AGTANAGTCTA	vahahochek	TTOCACCTT				2070	AGACGTCTCCACG 2080
195 GAC	0 1960 CCCTCOOCACCT	1970 CCTCCACCAO	1980 24440CCACTC	1990 CACCAGTAGT	2000 0CT0CTT0C	2010 CTCCTACTAM	2020 	2030 ***********************************	2040 Processorie			OCCTACACTAC	TGAATTAATCTGA
20 AAC	2100 COCACTGTGTCAG	2110 TOOCATOCCT	2120 IGTAIGCTIG	2130 CCTGTGGTG A	2140 CAGTTTOTO	2150 ACATTCTCTCT	2160 PICATGAGGT	2170 CTCACAGTCC	ACOCTCCTGT	AATCATTCT	TIGIATICACI	CCATTCCCCTC	2220 CTCTGTGTGCATTT
2	1230 224	0 225	0 2260 CAGATOOGGT	2270	228 MTMTTTC	O 2290 CTICTGATTTO	230	0 231	10 232 recessarism	0 23 CAC TOTOTO	30 234	TGAAGTTAGT	2360 TOCATATTCAGAGG
						20 24	30 24	40 7	150 24	60 2	470 2	180 249	
									2590 7	600	2410	2620 20	530 2640 RGAATOGATTTTTC
							7710	2720	2710	2740	2750	2760	2770 2780
							2000	7460	2870	2440	2890	7400	2910
			GTCTTCAAAG	CCAAAAATO			2000	3000	3010	3020	3030	3040	3050
CHIGHTATICCTIAGGECACTTCAAGCCCGGTTTGAATGTOOCAGGTTAGAAGAGAGAGAATGTCTTTCATTCAATGTGAACACTTTCTGTGAAAGAGAATGTGCGTGTTGCAATCTCCTTTTTCCAAGCCCCCAG													
3060	3070 TCCTGACCOCACX	3080	3090 CTGTTGTG CG	3100 3100	JIIO MOCCTGAC	3130		2140	concuerc	AGTAACTGAG	CCCAGAGTAA	CTOCACOCCTT	TOTOCACCTCTOCA
3200	0 3210 TCCACCAACTCTC	3220	3230	' 3240 WOCTAATCTTO	3250 TCATTAATC	3260 XATAGAAGCT	J270 AACTTCCCA	3280 NGTTAOGACC	3290 TAGTTACTTN	3300 XTCTCAACA	3310 TTXXXXTXX	3320 10000110010	13330 1ACTGAATOOOCCO
								2420	7/10	3440	3450	3460	3470 CCACTTCATAOCAA
								. 35.5	0 357	356	0 359	0 3600	
				•				44 37	00 37	10. 37	20 17	30 374	
								410 1	440 3	850 1	860 3	870 36	80 3890 CTTCATGAATOCTT
								***	2000	3990	4000	4010 4	020 4030 AAACTTTTCTCCAT
								4110	4170	4130	4140	4150	4160 ACTTATOCAGAG

FIG. 12B

10 20 30 40 50 60 RSTGFRRAGEEWSR*XLAASPGXLRRPAXTFVLSNLAEVVERVLTFLPAKALLRVACVCR

70 80 90 LWRECVRRVLRTHRSVTWISAGLAEAGHLXGH

FIG. 13A

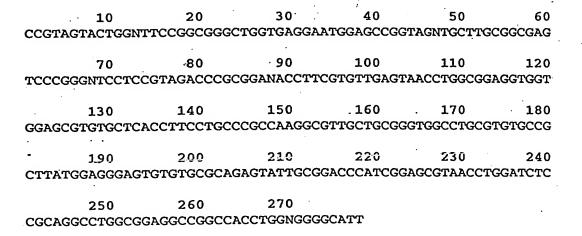


FIG. 13B

80 . ERDDDVPADMVAEESGPGAQNSPYQLRRKTLLPKRTACPTKNSMEGASTSTTENFGHRAK RARVSGKSQDLSAAPAEQYLQEKLPDEVVLKIFSYLLEQDLCRAACVCKRFSELANDPNL WKRLYMEVFEYTRPMMH

FIG. 14A

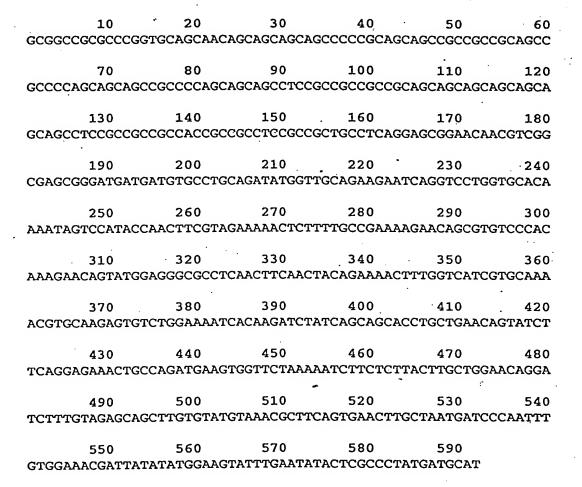


FIG. 14B

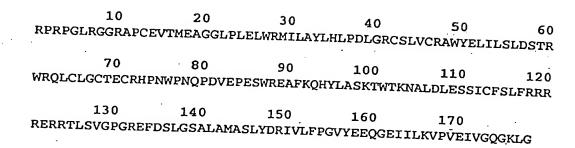


FIG. 15A

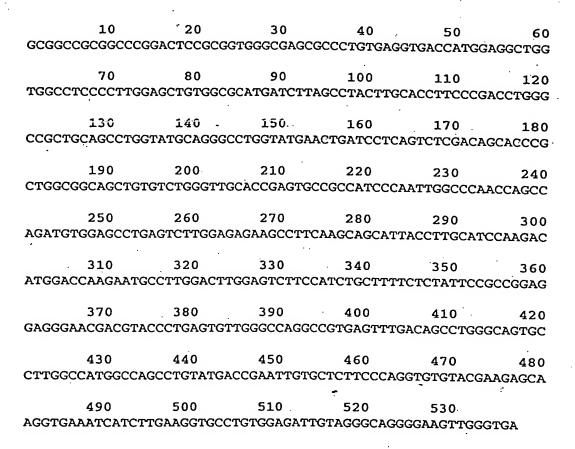


FIG. 15B

ETETAPLTLESLPTDPLLLILSFLDYRDLINCCYVSRRLSQLSSHDPLWRRHCKKYWLIS EEEKTQKNQCWKSLFIDTYSDVGRYIDHYAAIKKASGMISRNIWSPGVLGWVLSLKEGCS 140 . RGRPRCCGSADWAASFLDDYRCSYRIHNGQKLVGSWGYWEAWHCLITIVLKIC*TSIQLP EIPAETGTEILSPFNFCIHTGLSQYIAVEAAEG*NKNEVFYQCQTVERVFKYGIKMCSDG CINGMH*VFS

FIG. 16A

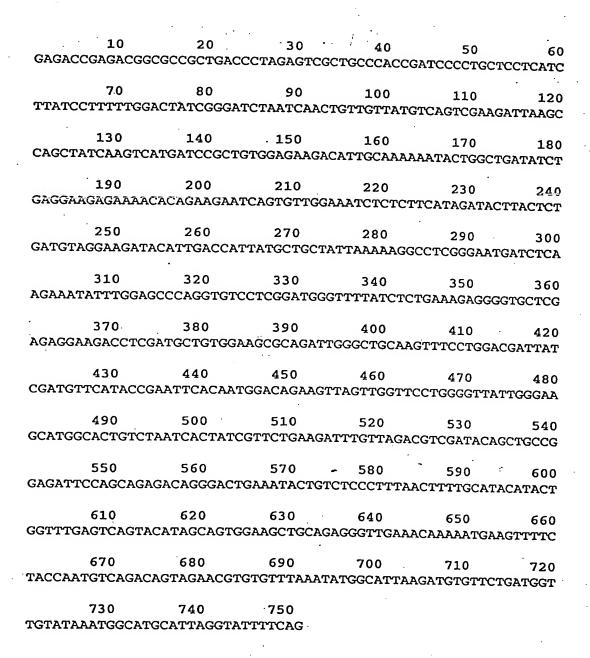


FIG. 16B

10 20 30 40 50 60
GSGFRAGGWPLTMPGKHQHFQEPEVGCCGKYFLFGFNIVFWVLGALFLAIGLWAWGEKGV

70 80 90 100 110 120
LSNISALTDLGGLDPVWLVCGSWRRHVGAGLCWAAIGALRENTFLLKFFXXFLGLIFFLE

LA

FIG. 17A

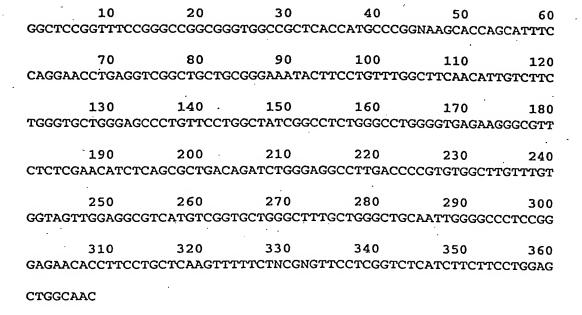
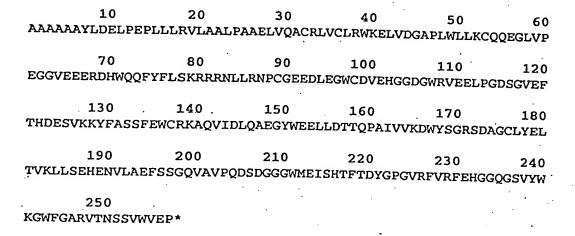
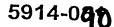


FIG. 17B





(SHEET 34 OF 80)

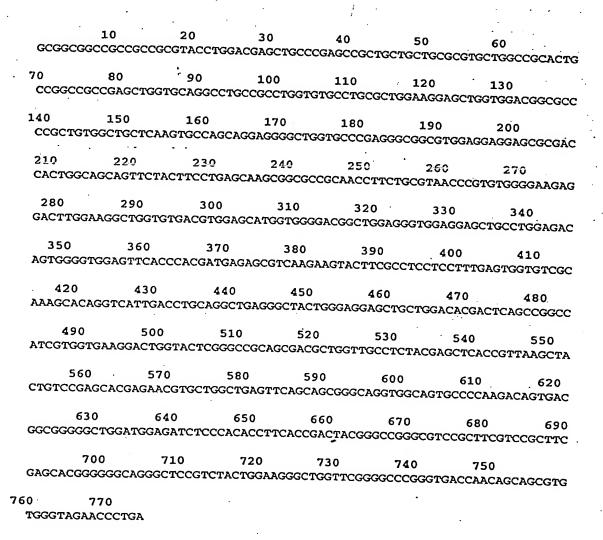


FIG. 18B

30 10 MGEKAVPLLRRRRVKRSCPSCGSELGVEEKRGKGNPISIQLFPPELVEHIISFLPVRDLV 90 ALGQTCRYFHEVCDGEGVWRRICRRLSPRLQDQDTKGLYFQAFGGRRRCLSKSVAPLLAH 150 160 GYRRFLPTKDHVFILDYVGTLFFLKNALVSTLGQMQWKRACRYVVLCRGAKDFASDPRCD 210 220 TVYRKYLYVLATREPQEVVGTTSSRACDCVEVYLQSSGQRVFKMTFHHSMTFKQIVLVGQ 270 290 ETORALLLLTEEGKIYSLVVNETQLDQPRSYTVQLALRKVSHYLPHLRVACMTSNQSSTL 310 YVTDPILCSWLQPPWPGG

FIG. 19A

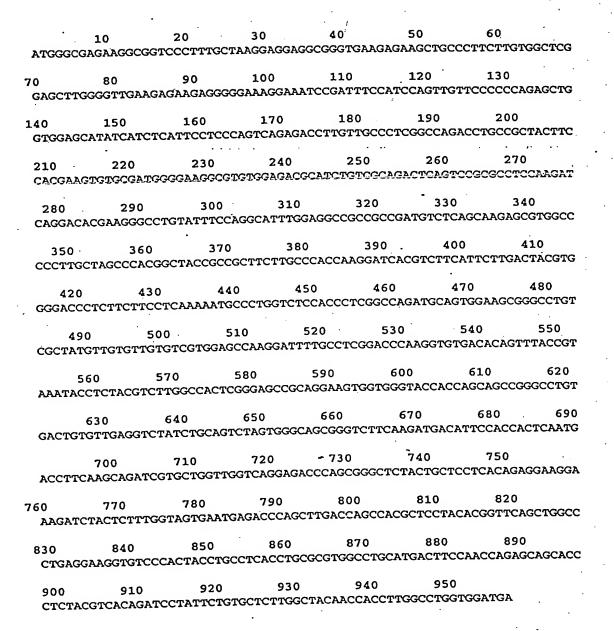


FIG. 19B

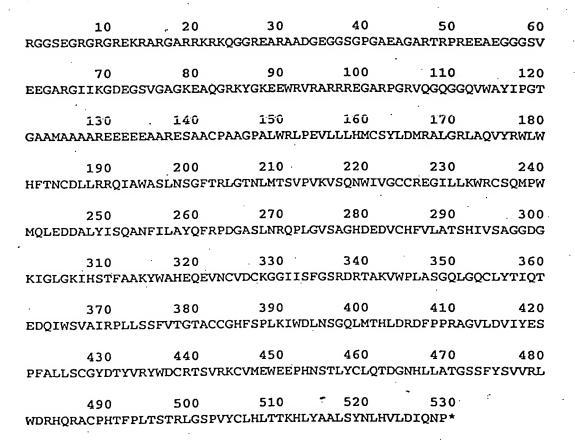


FIG. 20A

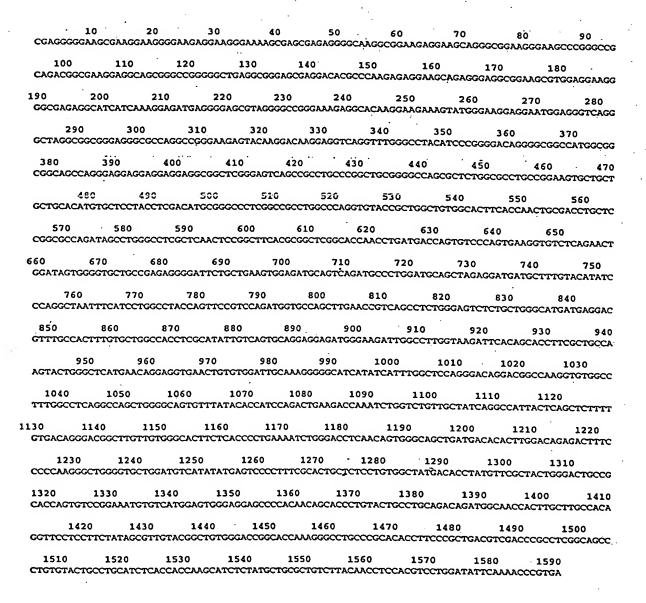


FIG. 20B

20 30 LILTSVLLFQRHGYCTLGEAFNRLDFSSAIQDIRTFNYVVKLLQLIAKSQLTSLSGVAQK 100 NYFNILDKIVQKVLDDHHNPRLIKDLLQDLSSTLCILIRGVGKSVLVGNINIWICRLETI 140 150 160 170 180. 130 LAWQQQLQDLQMTKQVNNGLTLSDLPLHMLNNILYRFSDGWDIITLGQVTPTLYMLSEDR 210 .220 QLWKKLCQYHFAEKQFCRHLILSEKGHIEWKLMYFALQKHYPAKEQYGDTLHFCRHCSIL . 270 260 FWKDSGHPCTAADPDSCFTPVSPQHFIDLFKF

FIG. 21A

5914-0**a**0

(SHEET 40 OF 80)

		•					•
	10	20	30	40	50	. 60	
GCATTO	CTATAATTT	ractatactc1	CATCTAAA	CTAAAATCA	GTCTTCAAAA'	ГАААААСАААТТ	GTC
70	80	90	100	110	120	130	
				rgacattaac	TGCCAATTCT	TTTTGGCTAATT	GAC
			CAGAGGCA		190 ACCTTGGGAG	200 AAGCCTTTAATC	CGT
	220	230	240		260	270	
						TGTTGCAGCTAA	TTG
280	290	300	310 ************************************			340 TTTTGGATAAA	
CAAAA	rcccaga taa	CTTCATTGAG	(GGCGTGGC	ACAGAAGAAT	TACTICAACA	FFFTGGATAAA	rrcG
350	360	370	380	39	0 40	0 410	
TTCAA	AAGGTTCTTG	ATGACCACCAC	CAATCCTCG	СТТААТСААА	GATCTTCTGC.	AAGACCTAAGCI	CTA
			. 41	FO 4	60 4	70 404	
420						70 480 ATATTTGGATTT	
CCCTC	IGCATTCTTA	IIAGAGGAGIA		· ··•	Conditionien		· GCC
			10 !	520		540 55	. •
GATTA	GAAACTATTC	TCGCCTGGCA	ACAACAGCT	ACAGGATCTT	CAGATGACTA	AGCAAGTGAACA	LATG
					500		
				590 3330330300	600 	610 6 TCTCAGACGGAT	520 3000
GCCTC	ACCCTCAGTG.	ACCTTCCTCTC	CACATGCT	3AACAACA IC	CIAIACCGGI	ICICAGACGGA:	.000
	630	640	650	660	670	680 ·	690 °
ACATC	ATCACCTTAG	GCCAGGTGAC	CCCACGTT	GTATATGCTT	'AGTGAAGACA	GACAGCTGTGGA	AGA
						550	
	700	710	720 • • • • • • • • • • • • • • • • • • •	730 דינים אם אבר איד	740 ~~~~~~~~~	750 CAGAAAAAGGTC	מיזארי
AGCTT.	IGTCAGTACC.	ATTTTGCTGA	AMOCAGII.		11011100111	01.010101010010	
	770	780		800	810	820	
TTGAA'	TGGAAGTTGA	TGTACTTTGC	ACTTCAGAA	ACATTACCCA	.GCGAAGGAGC	AGTACGGAGAC <i>i</i>	ACAC
			0.60	070	000	200	
830	840	850	860 ᡊ᠇ᡊᡊᡊᡊᡊ	870 מיזירים במבונים	.088 .cgacaccccm	890 GCACGGCGGCC	בארר
TGCAT"	TTCTGTCGGC.	ACTGCAGCAT.	iciciiii.	*	ioonençeee i	CACCOCCC	·
900	910	920	930	940	950	960	
CTGAC	AGCTGCTTCA	CGCCTGTGTC'	rccgcagca	CTTCATCGAC	CTCTTCAAGT	TTTAAGGGCTGC	ccc
			1000	1010	1000		
970	980	990	1000 ייירירירייייייייייייייייייייייייייי			1030 GTGTTCTGTGAC	CTYC
IGCCA	ICCCTATIGG	AGATIGIGAA	iccidcidi.		,c.c.c.iiiiiiiiiiiiiii	ordricioron.	
1040	1050	1060			109		
GGTGG	AGACTCCTCG	GAAGCCCCTG	CTTCCAGAA	agcctgggaa	GAACTGCCCT	TCTGCAAAGGGC	GGA
				40 11	50 11	co 117/	
111	0 112					60 1170 CTTCTTTAAAA	_
CTGCA	1GGTTGCATT	LICATCACIG	MUNUICAUM	COCCARGORA		,	
11		90 12		210			
		AAATGTGAAA	TTTTGCGTA	CTCTCTC			

FIG. 21B

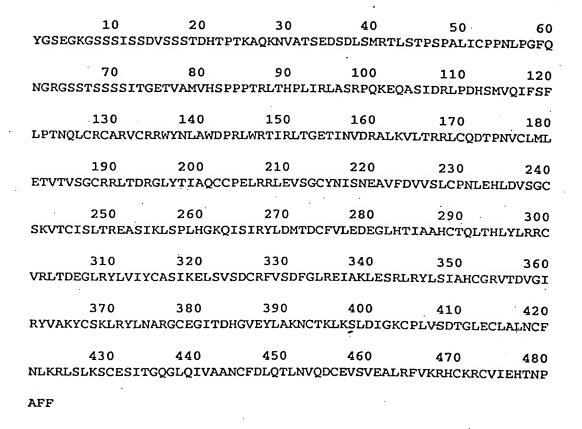
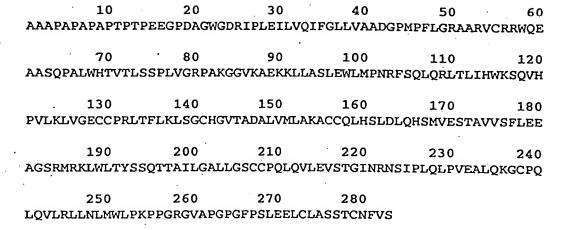


FIG. 22A

(SHEET 42 OF **%**)

	•													
ACT	. 10 ACCOCAG	20 TGLOOGGALA	30 CACCTCG	OCATCTCATC	50 PGACGTGAGTT	متعديم				100 TOOCTACCAGC	110 CAACACTCC		130 TGCGCACACT	
140 CAG	15¢	160	CACOGAATC	0 180	190 CAGAATOGAAG	20	00 . 21 CCACCTCCTCC	O 2:	20 23 1000000000000000000000000000000000000	0 240 OCTOCCATOC	25 TOCACTCCC	0 26		
260	. 2:	90 3		10 3:	20 33	. 01	340 3		360	70 38 ACCAACCACCT	0 3	90 4	100	110
420			440			170	480	490	, •			530		550
700	CCTOOCA	occococte.	TOCKOCACT		OCCCACACCA	TCAACGTO				TCTGCCAGGAC			TOCTOGALA	COTALCTOT
56 CAC	o TOOCTOC	570 NOSCOSCTCA	580 EAGACCGAG	590 2007/3 7/4/2/4002	KTCCCCCAGTC		É20 NACTGAGGGGA	CIOCUCIC CIOCUCIC	640 ICACCETETTA	650 CAATATCTCCA	YCCYCCCC E E E	670 TCTTTGATGT	<u> </u>	690 TOCCCTAAT
7	00	710	720	730	740	750	760	770	780	790 AAACAGATTTC	800	#10 ~~~~	820	830
			ica	670		890	. 900	910	920	930 .	40		950	970 .
MOG	rænæ	CCTCCACACC	ATCCCCCCC	CACTOCACGCA	CLCYCCCYC.					тосостассто		TOCOCCTCC	TCALOGRAGO:	rckoccrcka
ccu	980 .CTOCCOC	990 TTCCTCAGCG	1000 ACTTCCCCC	1010 100000AGATO	1020 SCCALACETOGA	1030 1030	1040 TOCOCTACCTO	1050 LCCATCCCC	1060 2.CTCCCCCCC	1070 CCTCACCCACC	1080 TOOGCATCO	1090 SCTACSTOCK	1100 CAACTACTC	1110
000	1120 TACCTCA	1130 ACCCCACOCO	1140 CTCCGA000	1150 CATCACOGACC	1160 ACOCTCTOCAC	1170 TACCTCGC	1180 CAGAACTOC	1190 ACCALACTEA	1200 AATCCCTCGAT	1210 ATCOCCAAATC	1220 CCCTTIGGT	1230 ATCCCACAC	1240 XXXXXXXXXXX	1250
	1260	1270	1280	1290	1300	1310	1329	1330	1340 CAACTGCTTTG	1350 ************************************	1360	1370	1380	1390
					1440	145	0 3466	147	0 1480	. 1490	1500	1510	152	,
000	ctricic	ALACOCCACT								TTCACACALA				
1530 CCA	154 3.000000000000000000000000000000000000	0 155 CCACTCAAA	0 15 CASCTCTTT	60 157 CTTCCCCCAAO	O 1580 GTTATTAGGN	terocer	90 160 TTATTTTTCC	O 16 CATTTCTCA	10 TOCCCAACAGA	0 1630 .cccc.w.ccw	CCLUCCUA	169 ACMACAGO	MCVOCCYL	LLLOCICYCC
1670	16	80 16	90 1	700 17	10 17:	20 1	730 1	T40 1	750 17	60 177 HOSCCCCCHA	O 17	80 1	790 10 EACAGEGGG	BOO NOCOCCACAGO
				1	aso 1	860	1870	1680	1890 1	900 19	10 1	920	1930	1940
TTC	CACCCCC	ccccccno	CCCYCYCCC							CTCTAAACTCC				
195	io LACATICT	1960 TGTCAACTCA	1970 ATACCATAG	1980 CACTTTOCATA	1990 : COCAAAATAC	1111CA000	2010 CTTTTI		محمد محت	COOCEANOCACA	TOCACTOCT	2060 CCCCCACCTO	2070 TOTCAATGA	2080 CTATGACCTT
.20	ennece Ennece	2100 CTTCACTCCT	2110 CT000CT00	2120 ACCTTCCACCA	2130 CTGAATCAGA	2000 X	2150 CCCCAACAT	2160 TACCTTCATC	2170 TCCATTATAC	7110 2110	2190 AGAGATACC	2200 CATACACAG	2210 WOCKCCTTO	2220 CATAGAGCA
2	230 2000CATO	2740	2250 2004644CT	2260 CATTCTGTOCA	2270 TOGATOTGAT	2280 TTCAOGAGA	2290 .TTGTOCAGTO	2300 CLOCATCAG	2310 TOCATAAA	2320 FICCIGIATOR	2330 CTTTOOCTC	2340	2350 CACTTCCCTG	2360 TOTTTCAOTG
					2410	2420	2430	2440	2450	2460 CCCACACCATCC	2470	2480	2490	2500
					2550	7560	2570	2580	2590	2600 CACATGTCCTC	2610	2620	2630	2640
					2500	7700	7710	2720	2710	2740 ITTCTTTATAC	2750	2760	2770	2780
						244	0 285	0 286	0 2670	2680	2890	290	0 291	٥
TO	2790 FAAGTOTT	TAATTGTGCA	WILLOCON	CCTGTGTACCT	CCTCCATGTC	TOTOTOCOT	CTTTTCCACC	MCMTCCA	AAGCAGACTTC	CVOCTOLLIA	ATTCTCTTC	excrement.	TOCCAGATGA	ATOGAAGAOG
2920 GAJ	291 ACACACTO	O 29 6	0 29	50 296 CCACCAACCA	O 297	O 29 ACCAATACT	180 29 SAMATCATTA	90 30 CUCCTATO	00 001 2011	TOWALTIC	UATTATCT	OE DI KTA XXII TKI	40 30 SAAGTCTATA	so TTCTAOCCTC
3060	30	70 30	80 3	090 31	.00 31	10 J	1120 3	130 3	140 31 ATOCCCTTT	150 310 CCAGATTATT	TCTASCOA	170 3	180 3	190 GAAATCCCTC
						760	1760	3220	1280 1	1290 11	100 3	1310	1120	3330
AT	TATTT	TTCTCMM1	CCCCATTAT	CALATOCAGA	ACCTCTCCAT					CTTCACAACT				
334	60 100000GA1	2350	3360 CTCTCATC	3370 ACTOCTOTOTO	CCCLOCLOCT	3390 TICTIT CO	J 400 WCATCATOSC	3410 CTCCCATCCA	3420 ATCAACATCA	CAATTACAT			3460 CCATOOOGA	3470 AATGAATGAT
3	6 8 0 NOCT NOC	3490 ************************************	3500	3510 CAGAGTTTAA	3520 UCCATGALLG	3530	3540 3540	3550 TCAOCTCTGT	3560 CACTTOTCAC	3570 CCTATTTGAAG	3580 FTTCACCAT	3590 17000101C A	3600 CAAAGGATTG	3610 TCCCTAATCC
			•			3.630	3640	3690	3700	3710	3770	3730	3740	3750
11	оосссто	xxxxxxx	CTCLOCTO				3430	1410	3640	MCTOTOTTOC	3860	3470	1880	3890
oc.	3760 ACATACCO	3770 TCTTOCCAS	3780	3790 TICTCCCAGTC	3800 CCTGTTCATC	CATTCTOT	rerece r roo o	CTOCCUATC	ATCATOCACO	TTACTOOOGAA	ACAGCTCAG	CACATTTTO	evereenre	comocicie
¥C	3900 TAGGAAA	3910 FFEATCIGIT	3920 TAXXXXXT	3930	3940 1000TCTOCTA	OPEC TAADTTAA	3960 CTCATTOTTI	3970	089E	3990 ***********************************	ATCACTOCO	4010 TOCTGTATGA	4020 ATCTAGARAG	4030 CCTEAATTEA
CT.	4040	4050 WTXXXXXXXX	PATOTTOOT											

FIG. 22B



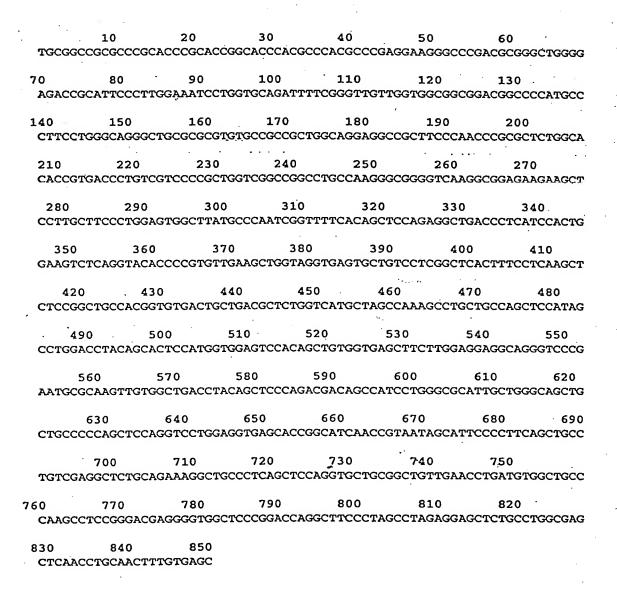


FIG. 23B

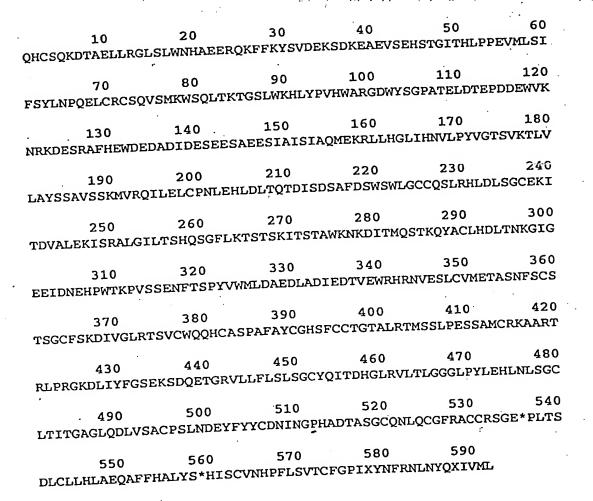


FIG. 24A

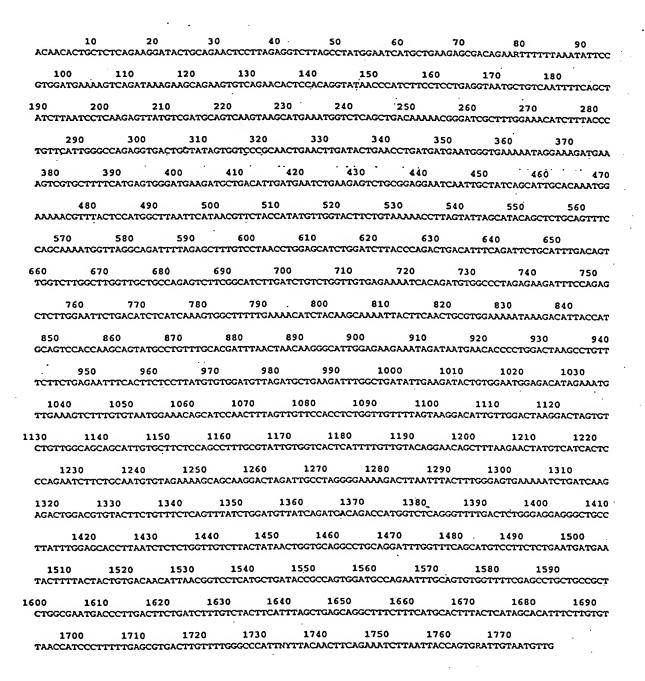


FIG. 24B

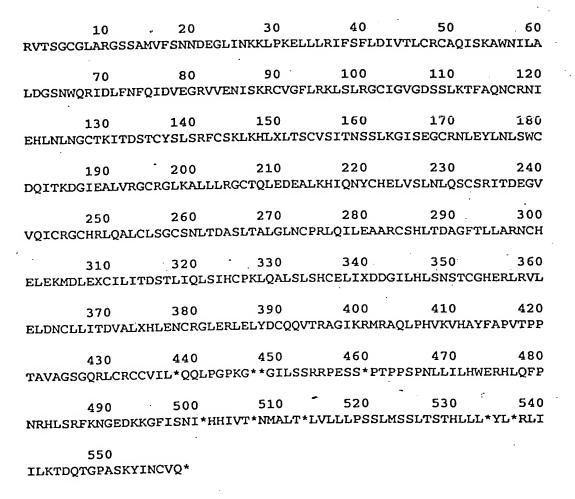
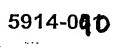


FIG. 25A



(SHEET 48 OF **%O**)

					1	•		
	10	20	30 . 4	10 5	, 60	·70	80	90-
TTTTACTG	TACACAGTTO	ATGTATTTTG	ATGCTGGGCC7	CTCTCGTCTC	ICTTGAGGATT	CATTAACCTTTA	GAGGTATCAGAG	AAGCAAATGGG
			120	140	150	160	170	180
100	110	120	130	T4U ACCACTACCTA	CTCAGAGCC	ATGTTTCAGGTC	ACAATGTGATGT	CAGATGTTGCT
190 TATAAATC	200 CTTTCTTGT	210 CTTCGCCATTC	220 ITAAATCTTG	230 ATAGGTGCCTG	240 2 TTGGGAAACTY	250 . 26 STAAATGCCTTT	0 270 CCCAATGGAGAA	280 TCAACAGATTG
200	300	310	320	330	340	350	360	370
CCTCATCC	, ವಾರ್ಯಾಕ್ಷವಾಗು	TCAGGAAGACT	CAGGTCTTCT	AGAGGAAAGGA	TGCCTCATCA	CCCTTNGGCCC	AGGCAGCTGCTG	TCAGAGAATGA
, GGIGAIGA	, roomo rece							
380	3.90	400	410	420	430	440	450 46	0 470
CACAGCAG	CTGCACAGT	CGCTGTCCACT	TCCTGCCACT	CCTCTCCCTGG	GGTGACGGGA	JCANAG TAGGCG	TGCACTTTCACA	inseldaseldalı»
				10 52	0 53	0 540	550	560
4	180	490 5	OU 2	CCCACTCCTAC	AGCTCGAGGC	CTCCAGGCCTC	GGCAGTTCTCTA	GGTGTYCCAGG
570	590	590	600	. 610	620	630	640	650
CCCACATY	CACTGATGAG	GAGGCAGTTGT	CCAACTCCAG	TACCCGCAGCC	TCTCATGGCC	ACAGGTACTGTT	CTCAGGTGCAG	GATCCCATCAT
GCCACAI								
660	670	680	690	700	710	720 73	740	750
CTGKGATY	GAGTTCACAG	TGGGACAGGCT	CAGGGCTTGC	AGTTTAGGACA	GTGAATGGAG	AGCTGGATGAG	GTGCTGTCGGT	PATCAGGATGCA
							830	
76	0 77	0 780	790	000 CACCTAAAGG	OTO OTYMARATOR	CGTCAGTCAAA	rgggagcatcgg	CAGCCTCCAAA
WICTICA	AGATCCATCT	TCTCCAATICC	IGGCARIICC	.CAGCIAGA				
252	. 060	870	880	890	900	910	920 9	30 940
850	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CTTCAAACCC	GGGCTGTAAG	AGAGGCATCT	TGAGGTTGCT	GCAACCCGAAA	GCAGAGAGCCTY	GTAGCCGGTGAC
ATTIGCA								
	950	960 9	970 9	80 99	0 100	0 1010	1020	1030
AGCCCCT	GCATATCTGC	ACCACACCTT	CATCCGTGATA	ACGTGAGCAGG	CTGCAAGTTG	AGGCTCACAAG	CTCATGGCAGTA	ATTCTGAATGTG
					1000	1100	1110	1120
1040	1050	1060	1070	1080	MALCOCOLLAN.	GACAACCTCGC	ACCAGTGCCTCG	ATGCCATCCTTC
TTTCAGA	GCTTCATCT1	CTAACTGTGT	CACCCCTO	4GGAGCAGGGC	11101000010	.0.1.0.1.001.000		
		1160	1160	1170	1180	190 12	00 1210	1220
1130	1140	TIDU	ACCTACTCCA(GTTTCGGCAG	CCTCACTGAT	CCCCTTCAAGG	AGCTGTTTGTAA	TAGACACACAGG
GIGATCI	GATCACACC	MONONOOTTO		•		-		
123	10 12	10 125	0 1260	0 1270	7 1280	1290	1300 °	1310
AGGTCAG	AWCCAGATG	MTCAGCTTGG	AACAGAATCT	CCTAAGGCTAT	AACACGTGCT	STCAGTGATTT	TGTGCATCCATT	GAGGTTCAAATG
***************************************					1220	1300	1300 14	00 1410
1320	1330	1340	1350	1360	137U	1380	1230 Tá	AGGAATOCAACG
TTCAATC	TTTCGGCAG	PTCTGTGCAAA	GGTCTTCAAG	CAGGAATCCCC	AACACCAAIG	2,000		AGGAATCCAACG
			1	450 14	60 14	70 1480	1490	1500
1	L420	1430	440 12	CATCTATTTGA	AAGTTAAAAA	GATCTATTCTT	GCCAGTTGCTTC	CATCCAGGGCTA
CATCGCT	PTCGAGATAT	THECACCACT	COACCELEIA					
	1520	1530	1540	1550	1560	1570	1580	1590
7210	ያርር አ የተርያል ልርተር	GGAAATCTGTG	CACATOGGCA	CAAAGTTACTA	TATCCAAGAA	GGAAAATATTC1	TAACAGAAGTT	TTTGGGTAACTT
MUNICI	.ccmocc11							
1600	1610	1620	1630	1640	1650	1660 16	70 1680	
TITGIT	AATAAGGCCT	TCATCATTGTT	TGAGAAAACC	ATGGCCGAAGA	GCCGCGAGCG	AGCCCACAGCCC	GAAGTCACACG	

FIG. 25B

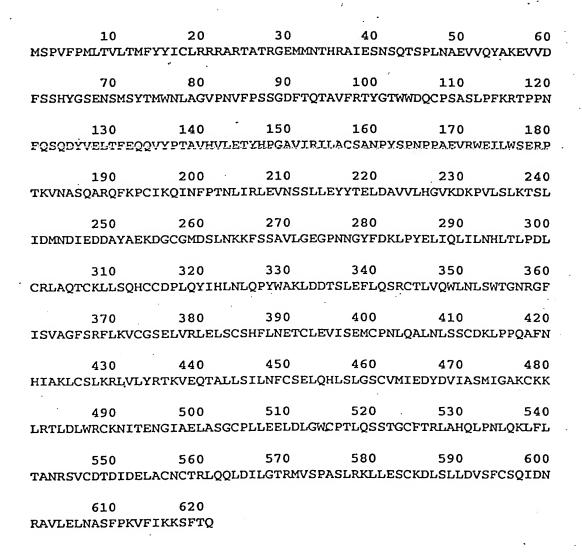
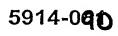


FIG. 26A



(SHEET 50 OF **%0**)

10 ATGTCACCGGTCTTTC	20 3 CCATGTTAACAGT	0 40 TCTGACCATGT	50 TTTATTATATATGC	60 CTTCGGCGCCGAG	70 8 CCAGGACAGCTA	0 90 CAAGAGGAGAAATO
	120	130	·140 / 1	50 160	170	100
190 200 CCATTATGGAAGTGAC	210	220 2.	30 240	250	260	220 200
290 3 GCTGTGTTTCGAACTY	100 - 310 PATGGGACATGGTG	320 GGATCAGTGTC	330 CTAGTGCTTCCTTG	340 35 CCATTCAAGAGGA	0 360 CGCCAČCTAATT	370 TTCAGAGCCAGGAC
380 390 ATGTGGAACTTACTT	400	410	420 430	440 .	450 '	460 47
	490 50	510	520	530	540 55	0 560
	590	600	610 6	20 630	640	650
660 670 TAGATGCAGTTGTGCT	680	590 70	00 710	720	730	740 750
	70 780	790	800	810 820	0 830	840
850 860 CTACCTTATGAGCTTA	870	880	890 900	910	920	930 94
					ONCI I OCKAC	THE LONGCENCENT.
950	960 . 970	980	. 990	1000 10	010 1020	0 1030
GCTGTGATCCTCTGCA	ATACATCCACCTC	AATCTGCAACCA 1070	1080 109	ragatgacacttc 90 1100	CTGGAATTTCT/	ACAGTCTCGCTGCA
1040 1050 TCTTGTCCAGTGGCTT	ATACATCCACCTCA 1060 AATTTATCTTGGAG 1150 1	1070 CTGGCAATAGAG	1080 10: GGCTTCATCTCTGT	FAGATGACACTTC: 10 1100 FGCAGGATTTAGC: 1190	1110 AGGTTTCTGAAGG	1120 GTTTGTGGATCCGA
1040 1050 TCTTGTCCAGTGGCTT 1130 1140 TTAGTACGCCTTGAAT 1230 12	1060 AATTTATCTTGGAC 1150 11 TGTCTTGCAGCCAC	1070 TTGGCAATAGAG 160 117 TTTTCTTAATG	1080 10: GCCTTCATCTCTGT 70 1180 AAACTTGCTTAGAAC	PAGATGACACTTCT 1100 PCCAGGATTTAGCA 1190 PTTATTTCTGAGAT 1280 1290	1110 AGGTTTCTGAAGG 1200 1: TGTGTCCAAATC:	ACAGTCTCGCTGCA 1120 GTTTGTGGATCCGA 210 1220 FACAGGCCTTAAATT
1040 1050 TCTTGTCCAGTGGCTT 1130 1140 TTAGTACGCCTTGAAT 1230 12 TCTCCTCCTGTGATAA 1320 1330	ATACATCCACCTCA 1060 AATTTATCTTGGAC 1150 11 TGTCTTGCAGCCAC 40 1250 GCTACCACCTCAAC	1070 PTGGCAATAGAC 160 117 PTTTCTTAATGA 1260 GCTTTCAACCAC	1080 109 GCTTCATCTCTGT 10 1180 AAACTTGCTTAGAAC 1270 1 CATTGCCAAGTTATA	TAGATGACACTTC: 1100 TGCAGGATTTAGC: 1190 FTTATTTCTGAGAT 1280 1290 FCAGCCTTAAACG:	1110 AGGTTTCTGAAGG 1200 1: PGTGTCCAAATCT 0 1300 ACTTGTTCTCTAT	1120 T120 T120 T120 TACAGGCCTTAAATT 1310 TCGAACAAAAAGTAG
1040 1050 TCTTGTCCAGTGGCTT 1130 1140 TTAGTACGCCTTGAAT 1230 12 TCTCCTCCTGTGATAA 1320 1330 GCAAACAGCACTGCTC	1060 AATTTATCTTGGAC 1150 13 TGTCTTGCAGCCAC 40 1250 GCTACCACCTCAAC AGCATTTTGAACTT	1070 PTGGCAATAGAC 1070 PTGGCAATAGAC 100 117 PTTTCTTAATGAC 1260 PCTTTCAACCAC 1350 10 PCTGTTCAGAGC	1080 10: GCCTTCATCTCTGT 10 1180 AAACTTGCTTAGAAC 1270 : CATTGCCAAGTTATC 360 1370 TTCAGCACCTCAG	TAGATGACACTTC: 1190 TECAGGATTTAGCA 1190 TETATTTCTGAGAT 1280 1290 CAGCCTTAAACGA 1380 TTTAGGCAGTTGTC	1110 AGGTTTCTGAAGG 1200 1: GTGTGCCAAATC: 0 1300 ACTTGTTCTCTA: 1390 : GTCATGATTGAAG	1120 GTTTGTGGATCCGA 210 TACAGGCCTTAAATT 1310 TCGAACAAAAGTAG 1400 1500
1040 1050 TCTTGTCCAGTGGCTT 1130 1140 TTAGTACGCCTTGAAT 1230 12 TCTCCTCCTGTGATAA 1320 1330 GCAAACAGCACTGCTC 1420 GCTAGCATGATAGGAG 1510 1520	1060 AATTTATCTTGGAC 1150 11 TGTCTTGCAGCCAC 40 1250 GCTACCACCTCAAC 1340 AGCATTTTGAACTT 1430 1440 CCAAGTGTAAAAAA	1070 CTGCCAATAGAC 1070 CTGCCAATAGAC 160 117 CTTTCTTAATGA 1260 CCTTTCAACCAC 1350 1 CCTGTTCAGACCAC 1450 ACTCCGGACCCT	1080 10: GCTTCATCTCTCT 1080 10: GCTTCATCTCTCTCT 10 1180 LAACTTCCTTAGAAC 1270 1: CATTCCCAAGTTATC 1360 1370 CTTCAGCACCTCAGT 1460 CGATCTGTGGAGAT 1550 156	TAGATGACACTTC 1100 TCCAGGATTTAGC 1190 TTATTTCTGAGAT 1280 1290 TCCAGCCTTAAACG TTTAGGCAGTTGTC 1470 1470 1470 TCTAAAGAATATTAC	1110 AGGTTTCTGAAGG 1200 17 AGTGTCCAAATCT 0 1300 ACTTGTTCTCTAT 1390 : FTCATGATTGAAG 180 1490 TTGAGAATGGAAT	ACAGTCTCGCTGCA 1120 GTTTGTGGATCCGA 210 1220 TACAGGCCTTAAAT 1310 TCGAACAAAAGTAG. 1400 1410 GACTATGATGTGAT. 0 1500 TAGCAGAAACTGGCT.
1040 1050 TCTTGTCCAGTGGCTT 1130 1140 TTAGTACGCCTTGAAT 1230 12 TCTCCTCCTGTGATAA 1320 1330 GCAAACAGCACTGCTC 1420 GCTAGCATGATAGGAG 1510 1520 CTGGGTGTCCACTACT	1060	1070 PTGGCAATAGAC 1070 PTGGCAATAGAC 100 117 PTTTCTTAATGAC 1260 SCTTTCAACCAC 1350 100 PTTGTTCAGAGC 1450 ACTCCGGACCCT 1540 PTTGGCTGGTGC	1080 10: GCCTTCATCTCTGT: 10 1180 AAACTTGCTTAGAAC 1270 : CATTGCCAAGTTATC 360 1370 CTTCAGCACCTCAGT 1460 AGGATCTGTGGAGAT 1550 156 CCCAACTCTGCAGAC	1190 TECAGGATTTAGCA 1190 TETATTTCTGAGAT 1280 1280 1380 TTAGCCCTTAAACGA TTAGCCAGTTGTC 1470 1470 1470 1470 TCTAAGAATATTAC 50 1570 ECAGCCACCGGGTGCC 1660	1110 AGGTTTCTGAAGG 1200 1: TGTGTCCAAATC: 0 1300 ACTTGTTCTCTA: 1390 TCATGATTGAAG TGAGAATGAAG TTGAGAATGAAG	ACAGTCTCGCTGCA 1120 GTTTGTGGATCCGA 210 1220 FACAGGCCTTAAAT 1310 FCGAACAAAAGTAG 1400 1410 GACTATGATGTGAT 0 1500 FAGCAGAACTGGCT 1590 GCCACACCAGCTCCC
1040 1050 TCTTGTCCAGTGGCTT 1130 1140 TTAGTACGCCTTGAAT 1230 12 TCTCCTCCTGTGATAA 1320 1330 GCAAACAGCACTGCTC 1420 GCTAGCATGATAGGAG 1510 1520 CTGGGTGTCCACTACT 1600 1610 AAACTTGCAAAAACTCC	1060	1070 PTGGCAATAGAC 1070 PTGGCAATAGAC 1060 PTTTCTTAATGA 1260 PCTGTTCAACCAC 1350 1450 PCTGTTCAGACC 1540 PTTGGCTGGTGC 30 164 PTAGGATCTGTT 1730	1080 10: GCCTTCATCTCTCT 10 1180 LAACTTGCTTAGAAC 1270 : CATTGCCAAGTTATC 1360 1370 CTTCAGCACCTCAGT 1460 CGGATCTGTGGAGAC 1550 156 CCCAACTCTGCAGAC 10 1650 CTGACACACAGACATT	1190 ETTATTTCTGAGAT 1280 1280 1280 1280 1280 1280 1380 ETTAGCCTTAAACGA 1470 1470 1470 ECAGCACCGGGTGC 1660 EGATGAATTGCGAT	1110 AGGTTTCTGAAGG 1200 1: PGTGTCCAAATC: 0 1300 ACTTGTTCTCTAT 1390 : FTCATGATTGAAG ETCATGATTGAAG 1580 CTTCACCAGACTG 1570 16 ACTTGTTCTCTAT	1120 GTTTGTGGATCCGA. 210 1220 TACAGGCCTTAAAT 1310 TCGAACAAAAGTAG. 1400 1410 GACTATGATGTGAT. 0 1500 TAGCAGAACTGGCT. 1590 GGCACACCAGCTCCC
1040 1050 TCTTGTCCAGTGGCTT 1130 1140 TTAGTACGCCTTGAAT 1230 12 TCTCCTCCTGTGATAA 1320 1330 GCAAACAGCACTGCTC 1420 GCTAGCATGATAGGAG 1510 1520 CTGGGTGTCCACTACT	1060	1070 PTGGCAATAGAC 1070 PTGGCAATAGAC 100 1170 1260 ECTTTCATAACCAC 1350 1450 ACTCCGGACCCT 1540 PTTGGCTGGTGC 130 164 ATAGATCTGGTGGTGC 1730 EGCATCCTTAAG	1080 10: GCCTTCATCTCTGT: 10 1180 LAACTTGCTTAGAAC 1270 : CATTGCCAAGTTATC 360 1370 CTTCAGCACCTCAGT 1460 CGGATCTGTGGAGAT 1550 156 CCCAACTCTGCAGAC 10 1650 CGTGACACAGACATT 1740 1: CAAAACTCCTGGAGAT CAAAACTCCTGGAGAT CAAAAACTCCTGGAGAT	1190 ETTATTTCTGAGAT 1280 1280 1280 1380 ETTAGCCTTAAACGAT 1380 ETTAGCAGCATTGTCTAAGATTTCTGAGAT 1360 ETTAGCAGCAGTTGTCTAAGGATTGTCTAAGAATATTAC 60 1570 ECAGCACCGGGTGCC 1660 EGATGAATTGCCAT	1110 AGGTTTCTGAAGG 1200 1: AGGTTCCAAATC 1300 ACTTGTTCTCTAA 1390 FTCATGATTGAAG 1580 TTGAGAATGGAAT 1580 TTCACCAGACTC 1670 16 AGTAATTGTACCA 1770 TTCTTTACTTGA	1120 GTTTGTGGATCCGA. 210 1220 TACAGGCCTTAAAT 1310 TCGAACAAAAGTAG. 1400 1410 GACTATGATGTGAT. 0 1500 TAGCAGAACTGGCT. 1590 GGCACACCAGCTCCC

FIG. 26B

MQLVPDIEFKITYTRSPDGDGVGNSYIEDNDDDSKMADLLSYFQQQLTFQESVLKLCQPE 90 100 110 LESSQIHISVLPMEVLMYIFRWVVSSDLDLRSLEQLSLVCRGFYICARDPEIWRLACLKV 150 170 .. 160 WGRSCIKLVPYTSWREMFLERPRVRFDGVYISKTTYIRQGEQSLDGFYRAWHQVEYYRYI 210 200 RFFPDGHVMMLTTPEEPQSIVPRLRTRNTRTDAILLGHYRLSQDTDNQTKVFAVITKKKE 280 270 260 EKPLDYKYRYFRRVPVQEADQSFHVGLQLCSSGHQRFNKLIWIHHSCHITYKSTGETAVS 320 310 AFEIDKMYTPLFFARVRSYTAFSERPL

FIG. 27A

5914-0**9D**

(SHEET 52 OF **80**)

				20	40	50	60	
	mca	10 mcmxcca	20 ~~~~~~~~~~~~	30 ידים אכאידיאר	40 TTATACCCG	GTCTCCAGAT		CTTCCA
A	IGCAAC	rigiacci	. CADATATAD.	1014.0	. /	0.0100		
70		80	90	100	110	120	130	
A	ACAGCT	ACATTGA	GATAATGATG	ATGACAGCAA	LAATGGCAGA	TCTCTTGTCC	TACTTCCAC	CAGCAA
			160	170	180	190	200	•
14	0 ~~>~>	150				TGAGAGCAGT		CATATCA
C	TCACAT.				:	. •		
2	10	220	230	240	250	260	270	
G	TGCTGC	CAATGGAC	GTCCTGATG	PACATOTTCC	eatgggtggt	GTCTAGTGAC	TTGGACCTC	CAGATCA
			300	310	320	330) 34	10
	280	290				CAGAGACCCI		
.1.	TGGAGC	AGTIGIC	,C1661616C	1011001111011				
	350 -	360	370					110
G	CCTGCT	TGAAAGT	rtggggcagai	AGCTGTATTAJ	AACTTGTTCC	GTACACGTCC	TGGAGAGAC	SATGTTT
					- 0 4		170	400
	420					160 4 AACCACATAT	170 เขตเราเราเรา	480 ACCCCAA
T	TAGAAC	GGCC'I'CG'	IGTICGGTTI	JAIGGCGIGI2	TINICAGIA	·	ATTOTOM	10000nn
	490	9	500	510	520	530	540	550
. C	AGTCTC	TTGATGG'	TTTCTATAGA(GCCTGGCACC	AAGTGGAAT	TTACAGGTAC	CATAAGATTY	CTTTCCT
				•				
	56	0	570	580		600	610	620
G	ATGGCC	ATGTGAT	GATGTTGACA	ACCCC1GAAG	AGCCTCAGTC	CATTGTTCC	ACGITIAAGA	AACTAGG
	6	30	640	650	660	670	680	690
7	ATACCA	.GGACTGA	TGCAATTCTA	CTGGGTCACT	ATCGCTTGTC	CACAAGACAC	AGACAATCA	GACCAAA
	•							
		700	710	720	730	740	750	maamaam
C	TATTTG	CTGTAAT	AACTAAGAAA	AAAGAAGAAA	AACCACTIGA	ACTATAAATA(JAGATATTT	icgicgi
700		770	780	790	800	810	- 820	•
760	᠈ ᡓᡎᢕᢕᢕᡏᠺᢋ	TACAAGA	AGCAGATCAG	AGTTTTCATG	TGGGGCTAC	AGCTATGTTC	CAGTGGTCA	CCAGAGG
`	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
83	30	840	850	860	870	880	890	
7	rtcaaca	AACTCAT	CTGGATACAT	Cattcttgtc	ACATTACTT	ACAAATCAAC	IGGTGAGAC	TGCAGTC
		010	920	930	940	950	96	n
	900 • cmccmm	910 מסיכא האיני	UZE OTABAGATA			CCAGAGTAAG		_
. 1	AGIGCI'I	LIGNORI						
	970	980						
•	rcagaa?	GCCTCT	GTAG					

FIG. 27B

40 AALDPDLENDDFFVRKTGAFHANPYVLRAFEDFRKFSEQDDSVERDIILQCREGELVLPD 70 90 100 LEKDDMIVRRIPAQKKEVPLSGAPDRYHPVPFPEPWTLPPEIQAKFLCVLERTCPSKEKS 150 130 140 160 ${\tt NSCRILVPSYRQKKDDMLTRKIQSWKLGTTVPPISFTPGPCSEADLKRWEAIREASRLRH}$ 210 200 -KKRLMVERLFQKIYGENGSKSMSDVSAEDVQNLRQLRYEEMQKIKSQLKEQDQKWQDDLA 250 KWKDRRKSYTSDLQK

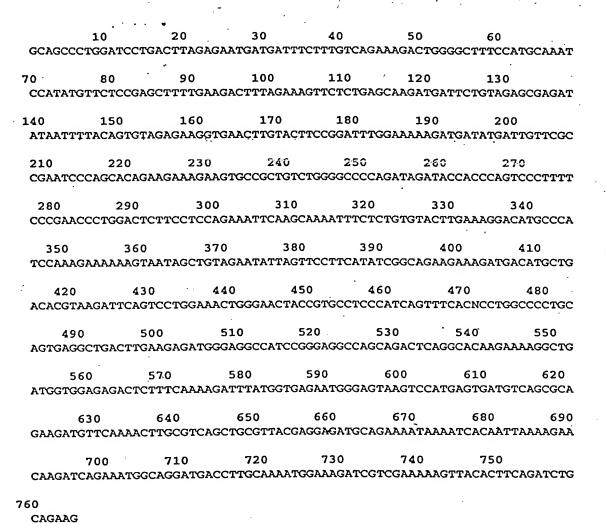
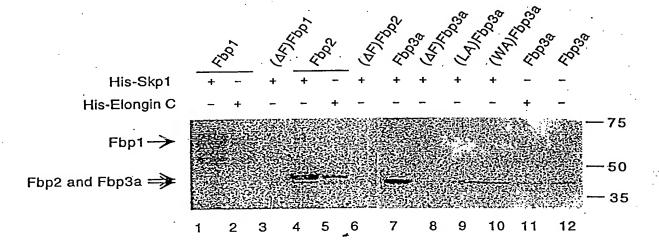


FIG. 28B



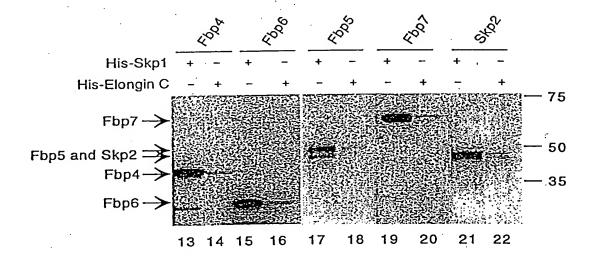


FIG. 29

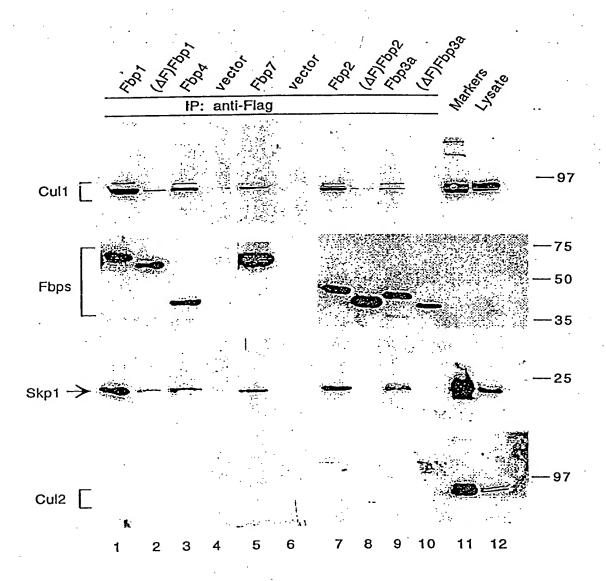


FIG. 30

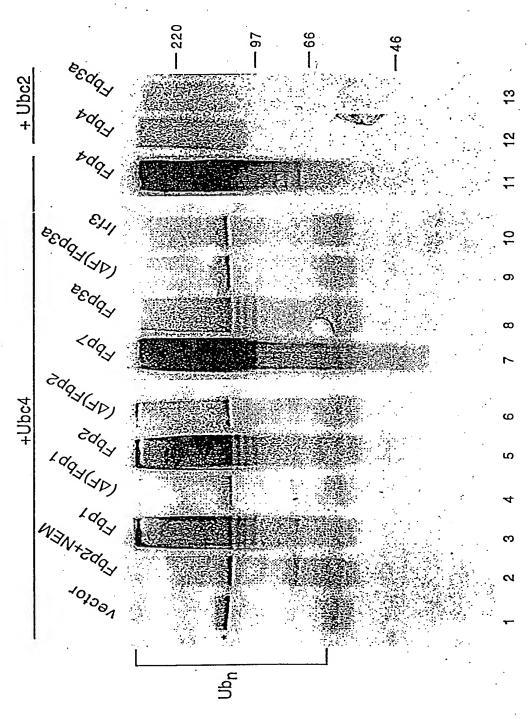


FIG. 31

(SHEET 58 OF 80)

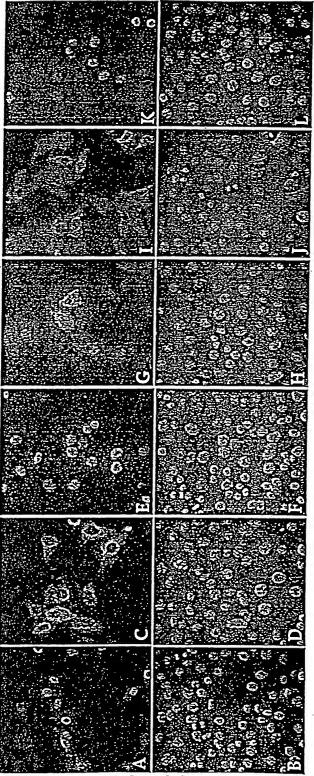


FIG. 32

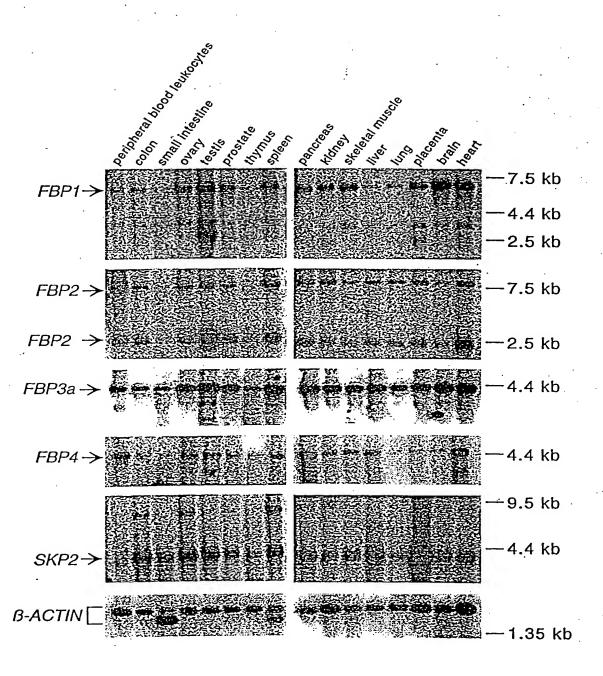


FIG. 33

(SHEET 60 OF 80)

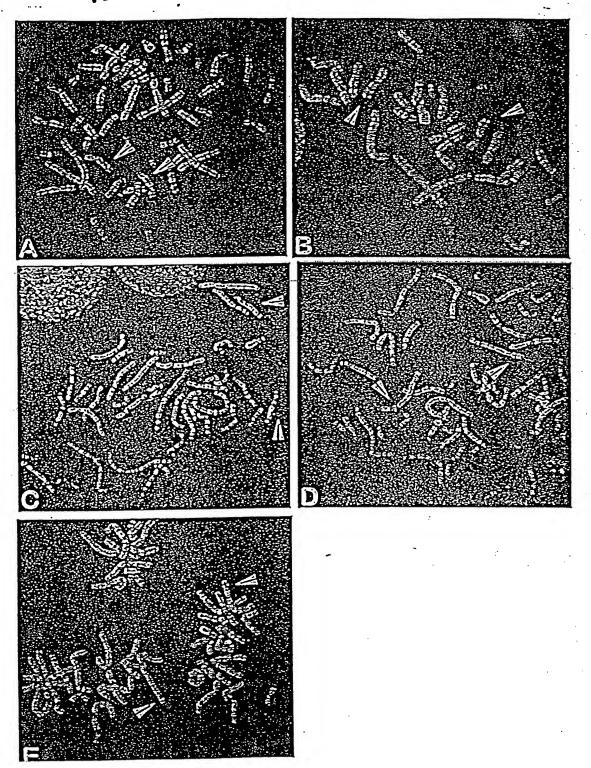


FIG. 34 A-E

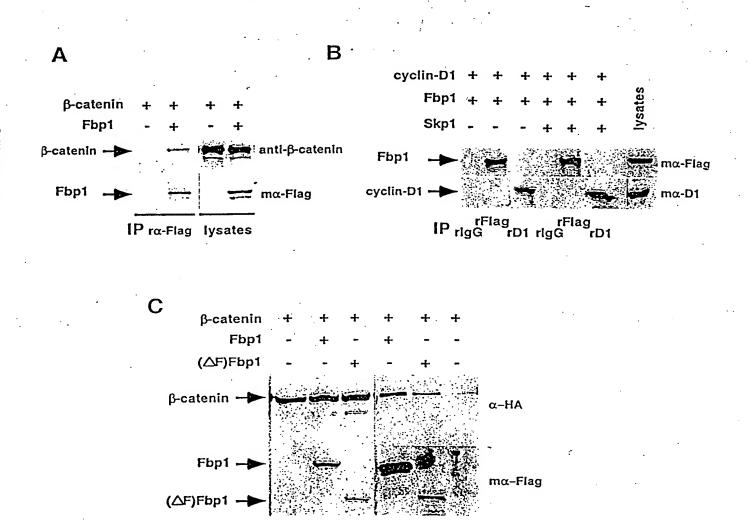


FIG. 35 A-C

lysates

IP rα-Flag

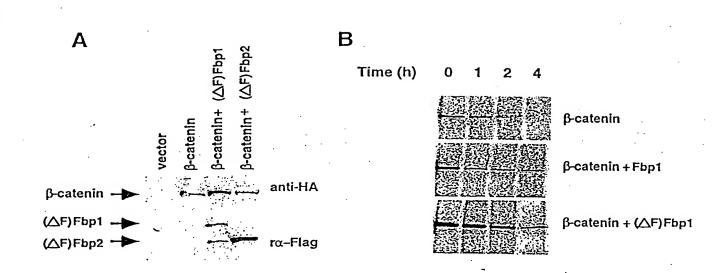
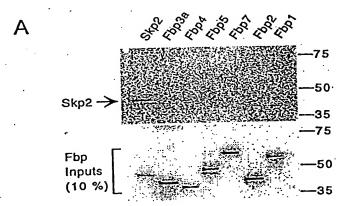
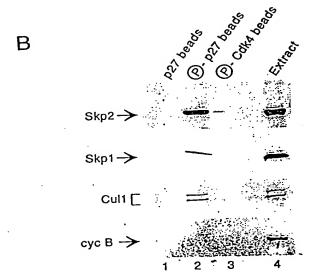


FIG. 36 A-B





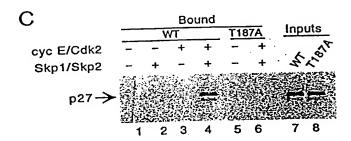


FIG. 37 A-C

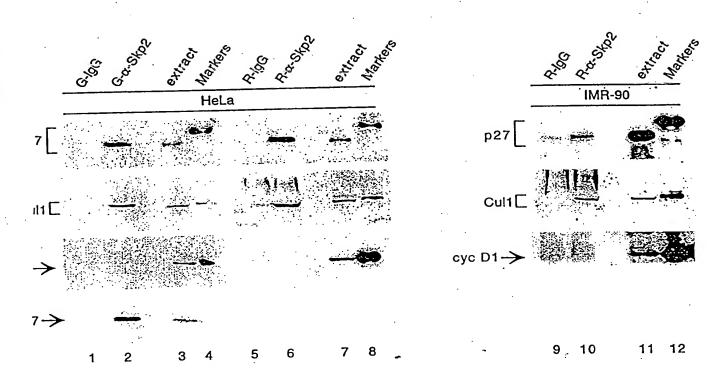
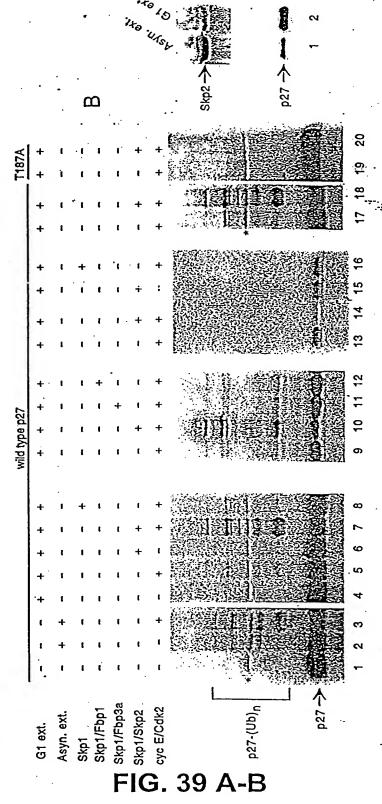


FIG. 38



(SHEET 66 OF 80)

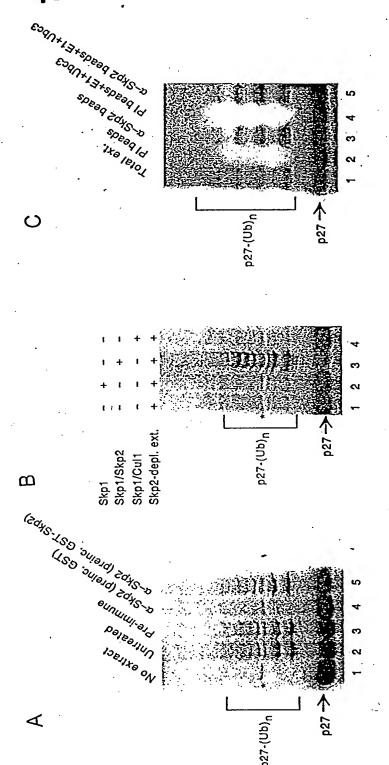


FIG. 40 A-C

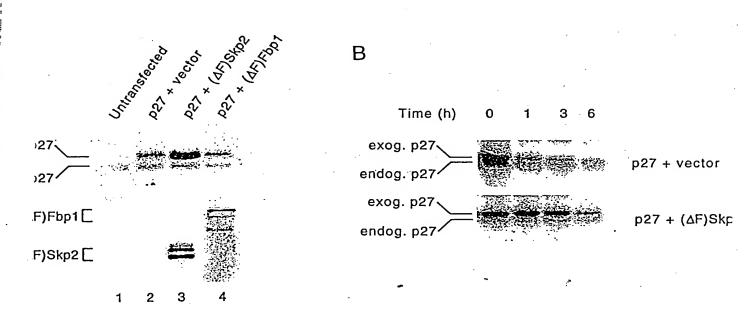
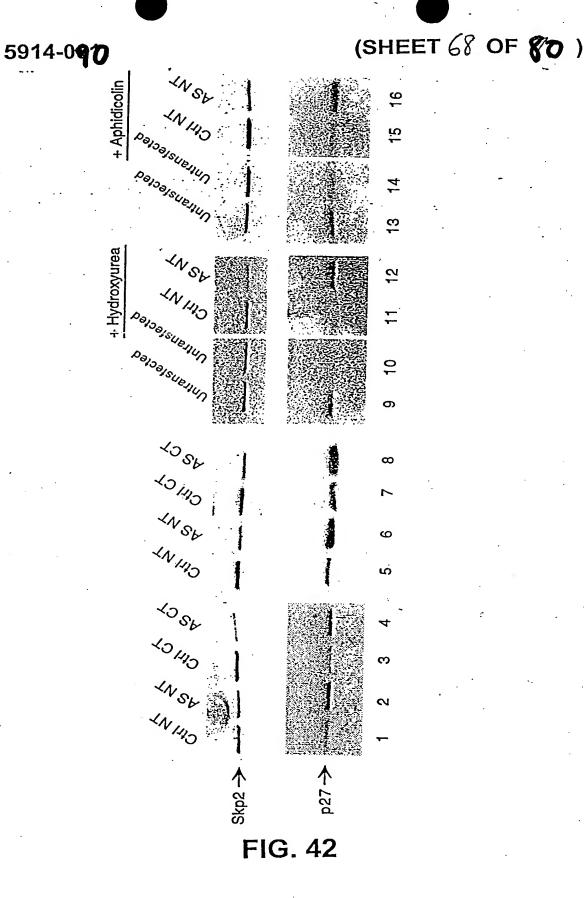


FIG. 41 A-B



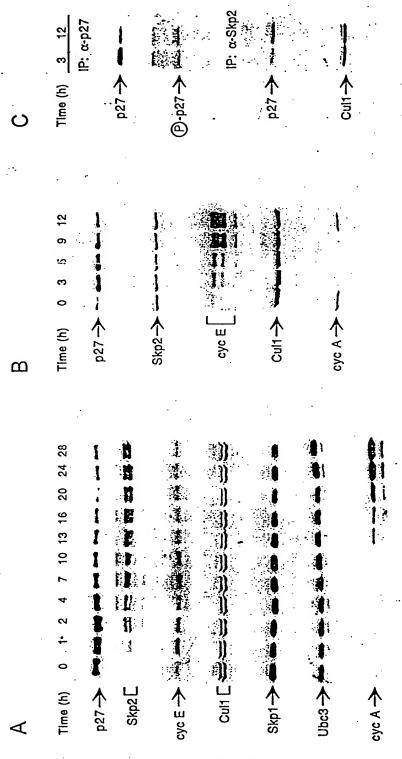


FIG. 43 A-C

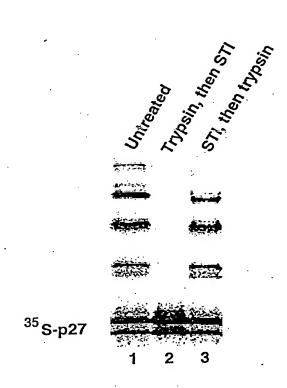


FIG. 44

p27-(Ub)_n

35 S-p27
1 2 3

B

C

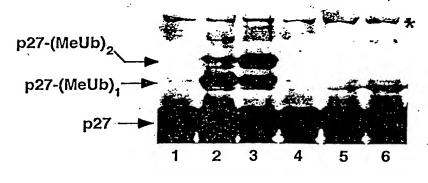
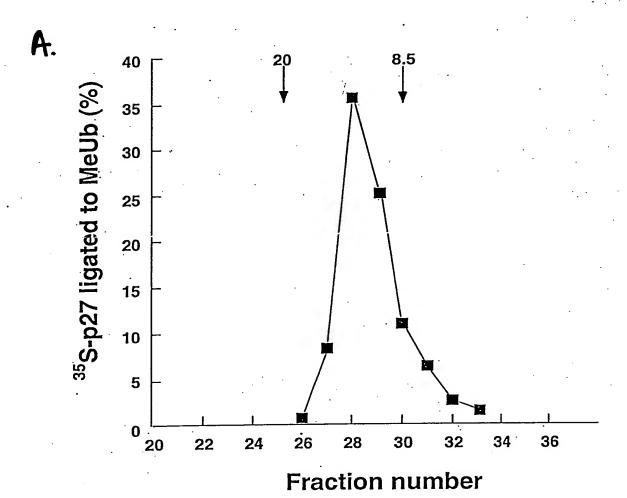
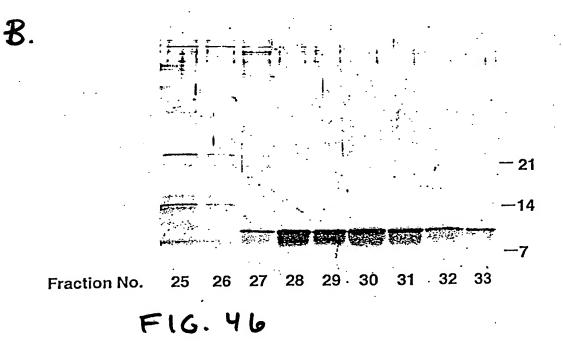
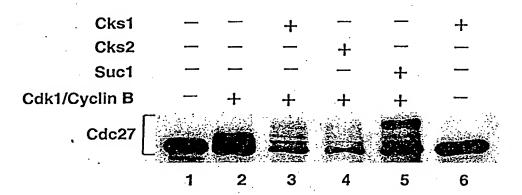


FIG. 45







F16. 47

FIG. 48

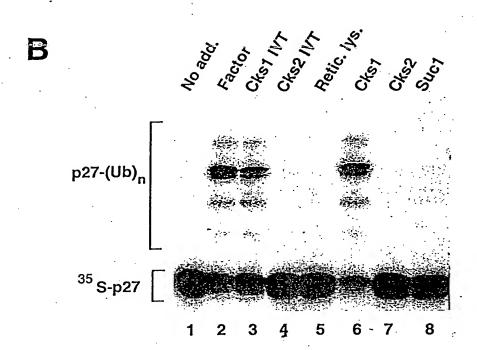
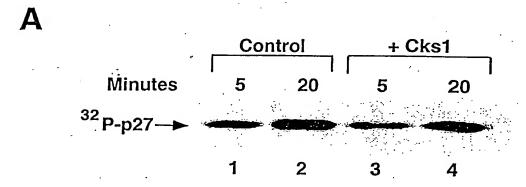


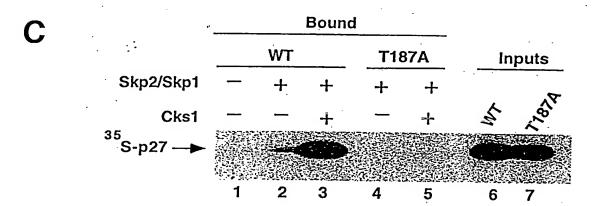
FIG. 48



p27(MeUb)₂ p27(MeUb)₁ ³²P-p27-

F16.49

2



Bound

Skp2/Skp1 - + + 5

Cks1 - - + 4

32
P-p27 →

FIG. 49

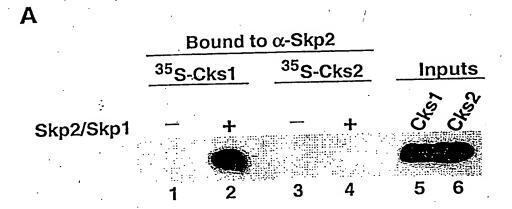
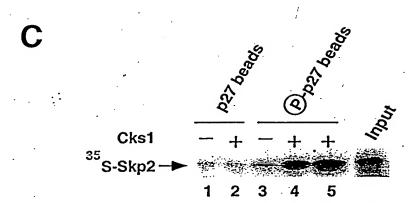
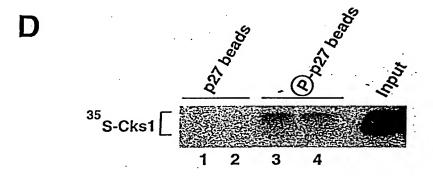


FIG. SD





F16.50

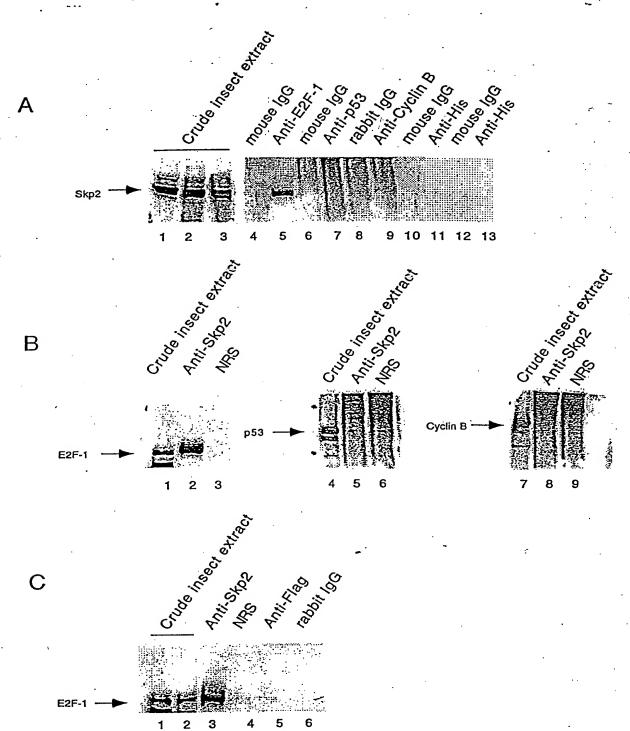


FIG. 51 A-C